

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:03
First Dose M/F: NA / NA
Lab: SRI

C Number:	C61358C
Lock Date:	11/17/1999
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	12/19/2000

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 497
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 97-79932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|---------------|-----------------------------------|---------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | Moderate |
| * Epididymis | | Atypia Cellular | Moderate |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| Lymph Node | | | |
| Note: Lymph Node, Mediastinal is missing. | | | |
| Mesentery | Fat | Necrosis | Moderate |
| [Necrosis TGLS = 2-21] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Mild |
| * Preputial Gland | | Inflammation | Chronic, Mild |
| * Testes | | Atrophy | Marked |
| [Atrophy TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 497
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 97-79881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Seminal Vesicle | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|-------------|-----------------------------------|----------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | Moderate |
| | | Hyperplasia | Focal, Minimal |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| Note: CLEAR CELL FOCUS IS ON SLIDE 21. | | | |
| Lymph Node | Mediastinal | Congestion | Minimal |
| * Preputial Gland | | Inflammation | Chronic, Mild |
| * Prostate | | Inflammation | Chronic, Mild |
| * Skin | Subcut Tiss | Fibroma | |
| [Fibroma TGLS = 2-23] | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 497
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 97-79882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Epididymis		Atypia Cellular	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lymph Node			
Note: Lymph Node, Medistinal is normal.			
Mesentery		Accessory Spleen	
[Accessory Spleen TGLS = 2-23]			
* Pancreas		Atrophy	Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 497
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 97-79883

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | Ear | * Epididymis | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|---------------------------|---------------------------|---------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Infiltration Cellular | Mixed Cell, Mild |
| | Hepatocyte | Vacuolization Cytoplasmic | Moderate |
| | | Infiltration Cellular | Histiocyte, Minimal |
| * Lung | | | |
| Lymph Node | | | |
| Note: Lymph Node, Mediastinal is normal. | | | |
| Mesentery | Fat | Necrosis | Moderate |
| [Necrosis TGLS = 1-21] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Mild |
| * Testes | Bilateral, Interstit Cell | Adenoma | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 497
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 97-79884

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Nose		Foreign Body	
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
* Testes	Interstit Cell	Adenoma	
		Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 2-7]			
[Atrophy TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 497
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 97-79885

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Epididymis		Atypia Cellular	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
		[Hemorrhage TGLS = 1-23]	
		[Pigmentation TGLS = 1-23]	
* Prostate		Inflammation	Chronic, Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
		[Adenoma TGLS = 2-7]	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 497
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 97-79886

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Epididymis		Atypia Cellular	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-22]			
* Nose		Foreign Body	
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 497
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 97-79887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
	Hepatocyte	Infiltration Cellular	Mixed Cell, Mild
		Vacuolization Cytoplasmic	Moderate
* Lung		Alveolar/Bronchiolar Carcinoma	
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
Note: LYMPH NODE, MEDIASTINAL IS NORMAL.			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-22]			
* Testes	Interstitial Cell	Adenoma	
	Interstitial Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 9 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 497
DOSE: 0 MG/KG/DY **DISP:** Terminal Sacrifice **HISTO:** 97-79888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Intestine Small, Ileum

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 497

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Int Sm Jejunum			
Note: MILD PYOGRANULOMATOUS INFLAMMATION IN LYMPHOID TISSUE; NOT CODED			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Nose	Respirat Epith	Hyperplasia	Minimal
* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 497

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Pancreas		Atrophy	Mild
* Prostate		Inflammation	Chronic, Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 497

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Intestine Large, Rectum

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Congestion	Mild
	Mediastinal	Pigmentation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 497

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Adrenal Cortex	* Adrenal Medulla
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Nose	Respirat Epith	Hyperplasia	Minimal
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 497

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 497

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Mild
* Prostate		Inflammation	Chronic, Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 497

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain [Compression TGLS = 1-1]		Compression	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Basophilic Focus Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Moderate
* Pituitary Gland [Adenoma TGLS = 2-1]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Moderate
* Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 497

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
		Infiltration Cellular	Histiocyte, Minimal
* Lung			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	
	Follicle	Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 497

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-21]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
* Pancreas		Atrophy	Minimal
Peritoneum		Mesothelioma Malignant	
	Note: MESOTHELIO MAL IS ALSO PRESENT ON SLIDE 7.		
	[Mesothelioma Malignant TGLS = 1-22]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-1]		
* Preputial Gland		Adenoma	
		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Basophilic Focus TGLS = 1-21]		
	[Hepatodiaphragmatic Nodule TGLS = 1-21]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
* Thymus		Thymoma Benign	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 21	TRT#: 1	SEX: Male	DAY ON TEST: 498
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 97-79943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hepatodiaphragmatic Nodule	
	Hepatocyte	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
Note: FOCI OF MINERALIZATION IN LIVER; CONSIDERED TO BE FIXATION ARTIFACT. [Basophilic Focus TGLS = 2-21] [Hepatodiaphragmatic Nodule TGLS = 2-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
Peritoneum		Mesothelioma Malignant	
Note: MESOTHELIO MAL IS ON SLIDE 7.			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Moderate
* Prostate		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Congestion	Mild
	Mediastinal	Pigmentation	Minimal
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-22]			
* Pancreas	Acinus	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen			
Note: TGL 2-21 IS A CYST ON SPLENIC CAPSULE; MORPHOLOGY NOT AVAILABLE ON TDMS.			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Lung			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Preputial Gland		Inflammation	Chronic, Moderate
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Lung			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 1-21]			
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Preputial Gland		Inflammation	Chronic, Moderate
* Prostate		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 3-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79947

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mandibular		Hemorrhage	Mild
* Nose		Foreign Body	
		Inflammation	Chronic, Minimal
* Pituitary Gl			
Note: LOCALIZED AREA OF SLIGHTLY ENLARGED, VACUOLATED CELLS IN PARS DISTALIS; CONSIDERED NORMAL BACKGROUND CHANGE.			
* Prostate		Inflammation	Chronic, Mild
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
		Infiltration Cellular	Histiocyte, Minimal
* Lung			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Nose		Inflammation	Chronic, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Basophilic Focus TGLS = 1-6]		
	[Vacuolization Cytoplasmic TGLS = 1-6]		
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Pituitary Gland			
Note: FOCUS IN PARS DISTALIS OF SLIGHTLY ENLARGED CELLS; CONSIDERED NORMAL FINDING			
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Epididymis		Atypia Cellular	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Preputial Gland		Inflammation	Chronic, Moderate
[Inflammation TGLS = 1-8]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart			
Note: MILD ENDOCARDIAL CHRONIC INFLAMMATION; NOT TABULATED.			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Prostate		Inflammation	Chronic, Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Int Sm Ileum			
Note: SMALL CYSTIC STRUCTURE IN SUBMUCOSA AND MUSCULARIS; NOT CODED.			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Epididymis		Atypia Cellular	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Nose		Hemorrhage	Moderate
* Testes	Interstitial Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Focal, Minimal
* Brain		Compression	Moderate
		Hydrocephalus	Mild
[Compression TGLS = 4-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Cyst	Moderate
[Cyst TGLS = 1-8]			
* Nose	Respirat Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 3-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-21]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Epididymis		Atypia Cellular	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 34	TRT#: 1	SEX: Male	DAY ON TEST: 498
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 97-79956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Hemorrhage	Mild
* Prostate		Inflammation	Chronic, Minimal
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Epididymis		Atypia Cellular	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

Tooth

Note: MODERATE SUPPURATIVE INFLAMMATION OF ONE INCISOR (SLIDE 9); NOT CODED.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 36	TRT#: 1	SEX: Male	DAY ON TEST: 498
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 97-79958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Epididymis		Atypia Cellular	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Lung			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Nose	Respirat Epith	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Hypertrophy	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Vacuolization Cytoplasmic TGLS = 1-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Mild
* Nose		Foreign Body	
		Inflammation	Chronic, Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
	[Leukemia Mononuclear TGLS = 1-6,2-21]	Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-1]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-1]		
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Infiltration Cellular	Mixed Cell, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 1-21]	Vacuolization Cytoplasmic	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
	[Adenoma TGLS = 2-1]		
* Prostate		Inflammation	Chronic, Mild
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLS = 3-22]		
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Nose		Foreign Body	
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate
Note: MILD MUCOSAL SQUAMOUS METAPLASIA SECONDARY TO FOREIGN BODY IN NASAL PASSAGES.			
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGSL = 2-1]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGSL = 1-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 468

DOSE: 0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Mesothelioma Malignant	Metastatic (Peritoneum)
* Intestine Large, Cecum		Edema	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Moderate
	Renal Tubule	Pigmentation	Mild
* Liver		Mesothelioma Malignant	Metastatic (Peritoneum)
	[Mesothelioma Malignant TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
Lymph Node			
	Note: Lymph Node, Mediastinal is normal.		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 1-21]		
* Nose		Inflammation	Chronic, Mild
Peritoneum		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 5-24]		
* Preputial Gland		Inflammation	Chronic, Mild
* Saliv Glands			
	Note: MODERATE ATROPHY OF PAROTID GLAND; NOT CODED.		
* Seminal Vesicle		Mesothelioma Malignant	Metastatic (Peritoneum)
Skeletal Muscle		Mesothelioma Malignant	Metastatic (Peritoneum)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 468

DOSE: 0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79440

ORGAN AND ACCOUNTABLE SITE STATUS

[Mesothelioma Malignant TGLS = 2-22,3-23]

* Spleen

Note: MILD RED PULP ATROPHY; NOT CODED.

* Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
Note: MINIMAL DIFFUSE VACUOLIZATION AND HYPERTROPHY OF PARS DISTALIS CELLS; NOT TABULATED.			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Preputial Gland		Adenoma	
		Inflammation	Chronic, Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: THE HEPATOCELLULAR VACUOLIZATION IS PRIMARILY PARACENTRAL.			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
* Spleen		Fibrosis	Minimal
Note: FIBROSIS IS FOCAL AREA ON CAPSULAR SURFACE.			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Lung			
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibrosis	Marked
[Fibrosis TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 2-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Moderate
* Prostate		Inflammation	Chronic, Mild
* Skin		Hyperkeratosis	Marked
[Hyperkeratosis TGLS = 1-21]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Vacuolization Cytoplasmic TGLS = 2-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Lymph Node, Mandibular		Pigmentation	Mild
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-21]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 51

TRT#: 2

SEX: Male

DAY ON TEST: 388

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-78966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
Ear		Neural Crest Tumor	
[Neural Crest Tumor TGLS = 1-21]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Mild
		Hemangiosarcoma	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Moderate
		Mixed Cell Focus	
[Hemangiosarcoma TGLS = 7-22]			
[Hyperplasia TGLS = 8-6]			
* Lung		Edema	Mild
		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Marked
[Hemorrhage TGLS = 6-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 51	TRT#: 2	SEX: Male	DAY ON TEST: 388
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-78966

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Atrophy	Mild
Skeletal Muscle [Hemorrhage TGLS = 5-23]	Hemorrhage	Mild
* Spleen	Congestion	Moderate
[Congestion TGLS = 2-6]	Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-6]		

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 52

TRT#: 2

SEX: Male

DAY ON TEST: 497

DOSE: 1.0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atypia Cellular	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Inflammation	Suppurative, Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Hepatocyte	Hemangiosarcoma	Multiple
		Hyperplasia	Regenerative, Marked
		Necrosis	Focal, Marked
			[Eosinophilic Focus TGLS = 1-21,2-6]
			[Hemangiosarcoma TGLS = 1-21,2-6]
			[Hyperplasia TGLS = 2-6]
			[Necrosis TGLS = 2-6]
* Lung		Hemangiosarcoma	Metastatic (Liver)
			[Hemangiosarcoma TGLS = 9-2]
Lymph Node	Mediastinal	Congestion	Mild
	Mediastinal	Pigmentation	Moderate
			[Congestion TGLS = 8-22]
			[Pigmentation TGLS = 8-22]
* Lymph Node, Mesenteric		Hemorrhage	Mild
			[Hemorrhage TGLS = 7-5]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 52	TRT#: 2	SEX: Male	DAY ON TEST: 497
	DOSE: 1.0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 97-79889

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Hematopoietic Cell Proliferation TGLS = 5-6]		Hematopoietic Cell Proliferation	Moderate
* Testes [Atrophy TGLS = 3-7]	Interstit Cell	Atrophy Hyperplasia	Mild Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 53

TRT#: 2

SEX: Male

DAY ON TEST: 415

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Atypia Cellular	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Necrosis	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	Multiple
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Necrosis	Focal, Marked
	[Eosinophilic Focus TGLS = 7-22,8-23]		
	[Hemangiosarcoma TGLS = 7-22,8-23]		
	[Hyperplasia TGLS = 4-6]		
	[Hyperplasia TGLS = 4-6]		
	[Necrosis TGLS = 4-6]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Moderate
	[Alveolar/Bronchiolar Adenoma TGLS = 4-6]		
Lymph Node	Mediastinal	Hemorrhage	Marked
	Mediastinal	Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 53	TRT#: 2	SEX: Male	DAY ON TEST: 415
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79037

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 3-24]			
[Pigmentation TGLS = 3-24]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Prostate		Inflammation	Chronic, Moderate
Skeletal Muscle		Hemorrhage	Mild
[Hemorrhage TGLS = 2-21]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 6-6]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 9-7]			
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 5-3]			

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia;Lung Alveolar/Bronchiolar Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 54

TRT#: 2

SEX: Male

DAY ON TEST: 497

DOSE: 1.0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Mixed Cell Focus	
[Hyperplasia TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Testes	Interstitial Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 55

TRT#: 2

SEX: Male

DAY ON TEST: 403

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Mild
		Hemangiosarcoma	Multiple
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Mixed Cell Focus	
[Hemangiosarcoma TGLS = 6-23,7-24]			
[Hyperplasia TGLS = 4-6]			
[Hyperplasia TGLS = 4-6]			
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Moderate
[Hemangiosarcoma TGLS = 9-2,10-26]			
[Hemorrhage TGLS = 9-2]			
[Infiltration Cellular TGLS = 9-2]			
Lymph Node	Mediastinal	Congestion	Moderate
	Mediastinal	Pigmentation	Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 55	TRT#: 2	SEX: Male	DAY ON TEST: 403
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79021

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Hemangiosarcoma TGLS = 3-21,8-25]		Hemangiosarcoma	Metastatic (Liver)
* Nose	Respirat Epith	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
[Congestion TGLS = 11-6]			
[Hematopoietic Cell Proliferation TGLS = 11-6]			

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 56

TRT#: 2

SEX: Male

DAY ON TEST: 397

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Cytomegaly	Mild
		Hemangiosarcoma	
		Hemorrhage	Marked
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Moderate
		Necrosis	Focal, Marked
[Hemangiosarcoma TGLS = 5-22]			
[Hemorrhage TGLS = 8-6]			
[Hepatodiaphragmatic Nodule TGLS = 6-23,7-24]			
[Hyperplasia TGLS = 8-6]			
[Necrosis TGLS = 8-6]			
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Mild
[Hemangiosarcoma TGLS = 10-2]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Mild
[Hemorrhage TGLS = 9-3]			
[Pigmentation TGLS = 9-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 56	TRT#: 2	SEX: Male	DAY ON TEST: 397
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79005

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLS = 4-21]	Fat	Necrosis	Moderate
* Spleen [Congestion TGLS = 3-6]		Congestion	Moderate
* Stomach, Glandular [Erosion TGLS = 11-25]		Erosion	Moderate

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 57

TRT#: 2

SEX: Male

DAY ON TEST: 402

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
--------------------------	----------------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Cytomegaly	Mild
		Hemangiosarcoma	Multiple
	Bile Duct	Hepatodiaphragmatic Nodule	
	Hepatocyte	Hyperplasia	Mild
		Hyperplasia	Regenerative, Moderate
	[Hemangiosarcoma TGLS = 6-23,7-24,4-6]		
	[Hepatodiaphragmatic Nodule TGLS = 5-22]		
	[Hyperplasia TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Moderate
	[Hemorrhage TGLS = 8-25]		
	[Pigmentation TGLS = 8-25]		
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-21]		
* Spleen		Congestion	Moderate
	[Congestion TGLS = 3-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 57

TRT#: 2

SEX: Male

DAY ON TEST: 402

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79022

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 58

TRT#: 2

SEX: Male

DAY ON TEST: 457

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Bone | * Brain | * Epididymis |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Stomach, Forestomach | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------------------------|-------------|-------------------------|----------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Bone Marrow | | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hemangiosarcoma | Multiple |
| | Hepatocyte | Hyperplasia | Regenerative, Marked |
| | | Leukemia Mononuclear | |
| | | Necrosis | Focal, Mild |
| [Hemangiosarcoma TGLS = 5-6,6-21] | | | |
| [Hyperplasia TGLS = 4-6] | | | |
| [Leukemia Mononuclear TGLS = 4-6] | | | |
| [Necrosis TGLS = 4-6] | | | |
| * Lung | | Hemangiosarcoma | Metastatic (Liver) |
| | | Hemorrhage | Mild |
| | | Infiltration Cellular | Histiocyte, Moderate |
| | | Metaplasia | Osseous, Minimal |
| [Hemangiosarcoma TGLS = 9-2] | | | |
| [Hemorrhage TGLS = 8-2] | | | |
| [Infiltration Cellular TGLS = 9-2] | | | |
| Lymph Node | Mediastinal | Congestion | Moderate |
| | Mediastinal | Hemangiosarcoma | Metastatic (Liver) |
| [Congestion TGLS = 7-22] | | | |
| [Hemangiosarcoma TGLS = 7-22] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 58	TRT#: 2	SEX: Male	DAY ON TEST: 457
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79274

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Congestion	Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 10-23]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Stomach, Glandular		Ulcer	Moderate
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 2

SEX: Male

DAY ON TEST: 433

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Bone | * Esophagus | * Heart | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- | | |
|-----------------|-------------------|
| * Mammary Gland | * Pituitary Gland |
|-----------------|-------------------|

OBSERVATIONS

- | | | | |
|---|--------------|---------------------------|------------------------|
| * Adrenal Cortex
[Leukemia Mononuclear TGLS = 5-10] | | Leukemia Mononuclear | |
| * Adrenal Medulla
[Leukemia Mononuclear TGLS = 5-10] | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain
[Leukemia Mononuclear TGLS = 10-1] | | Leukemia Mononuclear | |
| * Epididymis | | Atypia Cellular | Moderate |
| * Intestine Large, Cecum | | Edema | Mild |
| * Kidney | Renal Tubule | Hyaline Droplet | Mild |
| | | Leukemia Mononuclear | |
| | Renal Tubule | Pigmentation | Moderate |
| * Liver | Hepatocyte | Hemangiosarcoma | |
| | | Hyperplasia | Regenerative, Moderate |
| | Hepatocyte | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Moderate |
| [Hemangiosarcoma TGLS = 7-22] | | | |
| [Hyperplasia TGLS = 6-6] | | | |
| [Leukemia Mononuclear TGLS = 6-6] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Moderate |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 9-2] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 2

SEX: Male

DAY ON TEST: 433

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79058

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-21]			
[Leukemia Mononuclear TGLS = 4-7]			
[Leukemia Mononuclear TGLS = 8-23]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Stomach, Forestomach		Edema	Moderate
		Ulcer	Moderate
* Testes		Atrophy	Mild
* Thymus			

Note: THYMUS IS ON SLIDE 23.

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Liver Hemangiosarcoma; Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 60

TRT#: 2

SEX: Male

DAY ON TEST: 314

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-78795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Moderate
		Hemangiosarcoma	Multiple
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Moderate
		Mixed Cell Focus	
[Hemangiosarcoma TGLS = 2-21,3-22]			
Lymph Node	Mediastinal	Hemorrhage	Marked
	Mediastinal	Pigmentation	Mild
Note: MODERATE MAST CELL INFILTRATE, MEDIASTINAL NODE; NOT CODED.			
[Hemorrhage TGLS = 4-23]			
[Pigmentation TGLS = 4-23]			
* Prostate		Inflammation	Chronic, Mild
* Spleen		Congestion	Moderate

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 61

TRT#: 2

SEX: Male

DAY ON TEST: 297

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-78213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Pituitary Gland	* Prostate	* Seminal Vesicle
Skeletal Muscle	* Skin	Spinal Cord	* Stomach, Forestomach
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Lymphoma Malignant	
* Brain		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 12-1,13-1]			
* Heart		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 10-5,11-5]			
* Kidney		Infarct	Moderate
		Lymphoma Malignant	
		Nephropathy	Mild
[Infarct TGLS = 6-5,4-23]			
[Lymphoma Malignant TGLS = 6-5,4-23]			
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Marked
	Kupffer Cell	Lymphoma Malignant	
		Pigmentation	Moderate
[Hyperplasia TGLS = 7-6]			
[Hyperplasia TGLS = 7-6]			
[Lymphoma Malignant TGLS = 7-6]			
* Lung		Chordoma	Metastatic (Mesentery)
		Lymphoma Malignant	
Lymph Node	Mediastinal	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
	Renal	Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 61

TRT#: 2

SEX: Male

DAY ON TEST: 297

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-78213

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLS = 8-25]		
[Lymphoma Malignant TGLS = 5-24]		
* Lymph Node, Mandibular	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 9-3]		
* Lymph Node, Mesenteric	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 9-3]		
Mesentery	Chordoma	Metastatic (Mesentery)
[Chordoma TGLS = 3-22]		
* Preputial Gland	Inflammation	Chronic, Mild
	Lymphoma Malignant	
* Salivary Glands	Atrophy	Moderate
	Lymphoma Malignant	
	Necrosis	Mild
* Spleen	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-6]		
* Stomach, Glandular	Erosion	Mild
	Ulcer	Mild
* Thymus	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 9-3]		

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocyte Hyperplasia;Mesentery Chordoma Mesentery

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 62

TRT#: 2

SEX: Male

DAY ON TEST: 307

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-78796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Testes	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Necrosis	Mild
* Liver	Hepatocyte	Cytomegaly	Moderate
		Hemangiosarcoma	Multiple
		Hemorrhage	Moderate
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Necrosis	Focal, Marked
[Hemangiosarcoma TGLS = 3-6,4-21]			
[Hemorrhage TGLS = 3-6]			
[Necrosis TGLS = 3-6]			
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Mild
[Hemangiosarcoma TGLS = 6-2]			
[Hemorrhage TGLS = 6-2]			
Lymph Node	Mediastinal	Hemorrhage	Marked
[Hemorrhage TGLS = 5-3]			
* Prostate		Inflammation	Chronic, Moderate
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 62	TRT#: 2	SEX: Male	DAY ON TEST: 307
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-78796

ORGAN AND ACCOUNTABLE SITE STATUS

[Congestion TGLS = 2-6]			
[Hematopoietic Cell Proliferation TGLS = 2-6]			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 7-4]			
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma		
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 63

TRT#: 2

SEX: Male

DAY ON TEST: 422

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Brain |
| * Epididymis | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Parathyroid Gland | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------------------|------------|-----------------------|----------------------|
| * Bone Marrow | | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Hemangiosarcoma | Multiple |
| | Bile Duct | Hyperplasia | Mild |
| | Hepatocyte | Hyperplasia | Regenerative, Marked |
| | | Leukemia Mononuclear | |
| [Basophilic Focus TGLS = 2-6] | | | |
| [Hemangiosarcoma TGLS = 5-21,6-22] | | | |
| [Hyperplasia TGLS = 2-6] | | | |
| [Hyperplasia TGLS = 2-6] | | | |
| [Leukemia Mononuclear TGLS = 2-6] | | | |
| * Lung | | Edema | Moderate |
| | | Hemangiosarcoma | Metastatic (Liver) |
| | | Hemorrhage | Marked |
| | | Infiltration Cellular | Histiocyte, Marked |
| [Edema TGLS = 4-2] | | | |
| [Hemangiosarcoma TGLS = 4-2] | | | |
| [Hemorrhage TGLS = 4-2] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 63	TRT#: 2	SEX: Male	DAY ON TEST: 422
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79051

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 4-2]			
Lymph Node	Mediastinal	Hemangiosarcoma	Metastatic (Liver)
[Hemangiosarcoma TGLS = 7-23]			
* Nose	Respirat Epith	Hyperplasia Inflammation	Mild Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
[Hematopoietic Cell Proliferation TGLS = 3-6]			
[Leukemia Mononuclear TGLS = 3-6]			

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 64

TRT#: 2

SEX: Male

DAY ON TEST: 477

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
Note: MINIMAL SUBENDOCARDIAL HEMORRHAGE; NOT TABULATED.			
* Kidney	Renal Tubule	Pigmentation	Mild
[Pigmentation TGLS = 2-5]			
* Liver	Hepatocyte	Basophilic Focus	
		Cytomegaly	Mild
		Hemangiosarcoma	
		Hepatocellular Adenoma	
	Hepatocyte	Hyperplasia	Regenerative, Moderate
[Basophilic Focus TGLS = 2-5]			
[Hemangiosarcoma TGLS = 3-6,4-21]			
[Hepatocellular Adenoma TGLS = 3-6]			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mesenteric		Hemorrhage	Mild
Mesentery		Hemangiosarcoma	Metastatic (Liver)
[Hemangiosarcoma TGLS = 5-22]			
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Reticulum Cell, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 64	TRT#: 2	SEX: Male	DAY ON TEST: 477
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79471

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma		
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 65

TRT#: 2

SEX: Male

DAY ON TEST: 414

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Bone | * Brain | * Epididymis |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Mammary Gland | * Nose |
| * Pancreas | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|-------------------|------------|--|----------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Bone Marrow | | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | Hepatocyte | Cytomegaly | Moderate |
| | | Degeneration | Cystic, Mild |
| | | Eosinophilic Focus | |
| | | Hemangiosarcoma | Multiple |
| | Bile Duct | Hyperplasia | Mild |
| | Hepatocyte | Hyperplasia | Atypical, Marked |
| | | Necrosis | Focal, Moderate |
| | | [Hemangiosarcoma TGLS = 2-6,3-21,4-22] | |
| | | [Hyperplasia TGLS = 2-6] | |
| | | [Necrosis TGLS = 2-6] | |
| * Lung | | Hemangiosarcoma | Metastatic (Liver) |
| | | Hemorrhage | Moderate |
| | | Infiltration Cellular | Histiocyte, Moderate |
| | | [Hemangiosarcoma TGLS = 5-2-1,6-2-1] | |
| | | [Hemorrhage TGLS = 5-2-1,6-2-1] | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 65	TRT#: 2	SEX: Male	DAY ON TEST: 414
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79038

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mesenteric		Congestion	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 2

SEX: Male

DAY ON TEST: 327

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-78797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Cytomegaly	Moderate
	Hepatocyte	Hemangiosarcoma	Multiple
		Hyperplasia	Regenerative, Marked
		Necrosis	Focal, Marked
			[Hemangiosarcoma TGLS = 6-6,7-21,8-22]
			[Hyperplasia TGLS = 6-6]
			[Necrosis TGLS = 6-6]
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Mild
			[Hemangiosarcoma TGLS = 4-2,5-2]
Lymph Node			Note: Lymph Node, Mediastinal is missing.
* Lymph Node, Mesenteric		Hemorrhage	Moderate
Peritoneum		Mesothelioma Malignant	
			Note: MESOTHELIO MAL IS ON SLIDE 7.
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Erosion	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 66

TRT#: 2

SEX: Male

DAY ON TEST: 327

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-78797

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia; Peritoneum Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 67

TRT#: 2

SEX: Male

DAY ON TEST: 446

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Cytomegaly	Mild
		Eosinophilic Focus	
		Hemangiosarcoma	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hyperplasia	Regenerative, Marked
	[Eosinophilic Focus TGLS = 3-21]		
	[Hemangiosarcoma TGLS = 3-21]		
	[Hyperplasia TGLS = 4-6]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 4-6]		
Lymph Node	Mediastinal	Congestion	Moderate
	Mediastinal	Pigmentation	Minimal
* Spleen		Congestion	Marked
	[Congestion TGLS = 2-6]		

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia;Lung Alveolar/Bronchiolar Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 68

TRT#: 2

SEX: Male

DAY ON TEST: 204

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 96-76955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Epididymis | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | |

OBSERVATIONS

- | | | | |
|---|------------|----------------------|----------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-10] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 9-1] | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Hydronephrosis | Mild |
| [Hydronephrosis TGLS = 10-5] | | Leukemia Mononuclear | |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Hepatocyte | Hyperplasia | Regenerative |
| | | Leukemia Mononuclear | |
| [Basophilic Focus TGLS = 10-5] | | Necrosis | Focal, Minimal |
| [Leukemia Mononuclear TGLS = 10-5] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Inguinal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| Note: Lymph Node, Mediastinal is missing. | | | |
| [Leukemia Mononuclear TGLS = 2-8] | | | |
| [Leukemia Mononuclear TGLS = 5-21] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 68

TRT#: 2

SEX: Male

DAY ON TEST: 204

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 96-76955

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 1-8]	Leukemia Mononuclear
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 7-5]	Leukemia Mononuclear
* Spleen [Leukemia Mononuclear TGLS = 4-6]	Leukemia Mononuclear
* Urinary Bladder [Leukemia Mononuclear TGLS = 3-8]	Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocyte Hyperplasia;Lung Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 69

TRT#: 2

SEX: Male

DAY ON TEST: 483

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	Multiple
	Hepatocyte	Hyperplasia	Regenerative, Moderate
		Leukemia Mononuclear	
[Eosinophilic Focus TGLS = 5-6]			
[Hemangiosarcoma TGLS = 6-6,7-21]			
[Hyperplasia TGLS = 5-6]			
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Marked
		Infiltration Cellular	Histiocyte, Marked
[Alveolar/Bronchiolar Adenoma TGLS = 8-2]			
[Hemangiosarcoma TGLS = 8-2]			
[Hemorrhage TGLS = 8-2]			
[Infiltration Cellular TGLS = 8-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 69	TRT#: 2	SEX: Male	DAY ON TEST: 483
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79637

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-7]			
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 70

TRT#: 2

SEX: Male

DAY ON TEST: 419

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hemangiosarcoma	Multiple
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 4-6]			
[Eosinophilic Focus TGLS = 4-6]			
[Hemangiosarcoma TGLS = 5-21,6-23]			
[Hyperplasia TGLS = 4-6]			
[Leukemia Mononuclear TGLS = 4-6]			
Lymph Node	Mediastinal	Congestion	Marked
	Mediastinal	Hemorrhage	Marked
	Mediastinal	Pigmentation	Moderate
[Congestion TGLS = 1-22]			
[Hemorrhage TGLS = 1-22]			
[Pigmentation TGLS = 1-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 70

TRT#: 2

SEX: Male

DAY ON TEST: 419

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79039

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-6]

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 71

TRT#: 2

SEX: Male

DAY ON TEST: 463

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Mild
	Hepatocyte	Hemangiosarcoma	Multiple
		Hyperplasia	Regenerative, Marked
		Mixed Cell Focus	
		[Hemangiosarcoma TGLS = 4-21,5-22]	
		[Hyperplasia TGLS = 6-6]	
* Lung		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Marked
	Mediastinal	Pigmentation	Moderate
		[Hemorrhage TGLS = 3-3]	
		[Pigmentation TGLS = 3-3]	
Peritoneum		Mesothelioma Malignant	
Note: MESOTHELIO MAL IS ON SLIDE 7.			
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 71	TRT#: 2	SEX: Male	DAY ON TEST: 463
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79275

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Moderate
	[Congestion TGLS = 2-6]		
	[Hematopoietic Cell Proliferation TGLS = 2-6]		
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia;Peritoneum Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 72

TRT#: 2

SEX: Male

DAY ON TEST: 373

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-78917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Testes	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atypia Cellular	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Hemorrhage	Mild
		Necrosis	Mild
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
* Liver		Hemangiosarcoma	
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Necrosis	Focal, Marked
		[Hemangiosarcoma TGLS = 3-6]	
		[Hyperplasia TGLS = 3-6]	
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Marked
		Infiltration Cellular	Histiocyte, Mild
		[Hemangiosarcoma TGLS = 4-2]	
		[Hemorrhage TGLS = 4-2]	
Lymph Node	Mediastinal	Hemorrhage	Marked
	Pancreatic	Hemorrhage	Marked
	Mediastinal	Pigmentation	Moderate
	Pancreatic	Pigmentation	Moderate

Note: MARKED MAST CELL INFILTRATE, MEDIASTINAL AND PANCREATIC NODE; NOT CODED.

[Hemorrhage TGLS = 5-3]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 72	TRT#: 2	SEX: Male	DAY ON TEST: 373
	DOSE: 1.0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-78917

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 6-7]			
[Pigmentation TGLS = 5-3]			
[Pigmentation TGLS = 6-7]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLS = 8-5]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Prostate		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-6]			
* Stomach, Forestomach		Ulcer	Marked
* Stomach, Glandular		Hemorrhage	Moderate
		Ulcer	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 73

TRT#: 2

SEX: Male

DAY ON TEST: 408

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Necrosis	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Necrosis	Moderate
		Nephropathy	Mild
* Liver	Hepatocyte	Cytomegaly	Moderate
		Hemangiosarcoma	Multiple
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Necrosis	Focal, Marked
			[Hemangiosarcoma TGLS = 1-6,2-21]
			[Hyperplasia TGLS = 1-6]
			[Necrosis TGLS = 1-6]
* Lung		Infiltration Cellular	Polymorphnuclr, Minimal
Lymph Node	Mediastinal	Congestion	Moderate
* Lymph Node, Mesenteric		Congestion	Mild
		Hemorrhage	Mild
		Pigmentation	Moderate
* Nose		Foreign Body	
		Inflammation	Chronic, Marked
Skeletal Muscle		Hemorrhage	Mild
			[Hemorrhage TGLS = 3-22]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 73	TRT#: 2	SEX: Male	DAY ON TEST: 408
	DOSE: 1.0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-79023

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular	Erosion	Moderate
	Ulcer	Moderate
* Testes	Atrophy	Mild

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 74

TRT#: 2

SEX: Male

DAY ON TEST: 342

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-78798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hemangiosarcoma	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Moderate
		Leukemia Mononuclear	
[Hemangiosarcoma TGLS = 7-22]			
[Hyperplasia TGLS = 6-6]			
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Leukemia Mononuclear	
[Hemangiosarcoma TGLS = 9-2]			
[Leukemia Mononuclear TGLS = 9-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]			
[Leukemia Mononuclear TGLS = 5-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7]			
* Spleen		Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 74

TRT#: 2

SEX: Male

DAY ON TEST: 342

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-78798

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

[Fibrosis TGLS = 4-21]

[Leukemia Mononuclear TGLS = 3-6]

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Liver Hemangiosarcoma; Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 75

TRT#: 2

SEX: Male

DAY ON TEST: 418

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

- * Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Mild
		Hemangiosarcoma	Multiple
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Moderate
		Necrosis	Focal, Mild

Note: HEMANGIOSARC ON SLIDE 21 IS INVADING MESENTERY/PANCREAS.

[Hemangiosarcoma TGLS = 4-6,6-21,8-22]

[Hyperplasia TGLS = 4-6]

[Hyperplasia TGLS = 4-6]

[Necrosis TGLS = 4-6]

* Lung		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Moderate

[Hemangiosarcoma TGLS = 2-2]

[Hemorrhage TGLS = 2-2]

[Infiltration Cellular TGLS = 2-2]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 75

TRT#: 2

SEX: Male

DAY ON TEST: 418

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79040

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node

Note: Lymph Node, Mediastinal is missing.

* Prostate

Inflammation

Chronic, Mild

* Spleen

Hematopoietic Cell Proliferation

Moderate

[Hematopoietic Cell Proliferation TGLS = 3-6]

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 76

TRT#: 2

SEX: Male

DAY ON TEST: 410

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Atypia Cellular	Mild
* Heart	Myocardium	Hemorrhage	Mild
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Basophilic Focus	
		Cytomegaly	Mild
		Eosinophilic Focus	
		Hemangiosarcoma	Multiple
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Regenerative, Marked
		[Basophilic Focus TGLS = 3-6]	
		[Eosinophilic Focus TGLS = 3-6]	
		[Hemangiosarcoma TGLS = 3-6,4-21,5-22]	
		[Hyperplasia TGLS = 3-6]	
		[Hyperplasia TGLS = 3-6]	
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Congestion	Marked
	Mediastinal	Hemorrhage	Marked
	Renal	Hemorrhage	Marked
	Renal	Pigmentation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 76	TRT#: 2	SEX: Male	DAY ON TEST: 410
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79041

ORGAN AND ACCOUNTABLE SITE STATUS

[Congestion TGLS = 6-23]
[Hemorrhage TGLS = 6-23]
[Hemorrhage TGLS = 7-24]
[Pigmentation TGLS = 7-24]

* Preputial Gland
* Spleen

Inflammation
Congestion
Hematopoietic Cell Proliferation

Chronic, Mild
Moderate
Mild

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 77

TRT#: 2

SEX: Male

DAY ON TEST: 449

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Cytomegaly	Mild
		Eosinophilic Focus	
		Hemangiosarcoma	
	Hepatocyte	Hepatocellular Adenoma	
		Hyperplasia	Regenerative, Marked
		Necrosis	Focal, Marked

Note: HEMANGIOSARC IS ALSO PRESENT ON SLIDE 6.

- [Eosinophilic Focus TGLS = 5-6]
- [Hemangiosarcoma TGLS = 6-22]
- [Hepatocellular Adenoma TGLS = 5-6]
- [Hyperplasia TGLS = 5-6]
- [Necrosis TGLS = 5-6]

Lymph Node	Mediastinal	Hemorrhage	Moderate
	Pancreatic	Hemorrhage	Marked
	Mediastinal	Pigmentation	Mild
	Pancreatic	Pigmentation	Moderate

Note: MODERATE MAST CELL INFILTRATE IN PANCREATIC LYMPH NODE; NOT TABULATED.

- [Hemorrhage TGLS = 3-7]
- [Hemorrhage TGLS = 8-23]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 77	TRT#: 2	SEX: Male	DAY ON TEST: 449
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79239

ORGAN AND ACCOUNTABLE SITE STATUS

[Pigmentation TGLS = 8-23]			
[Pigmentation TGLS = 3-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-5]			
Mesentery		Accessory Spleen	
[Accessory Spleen TGLS = 2-21]			
* Pancreas		Atrophy	Minimal
	Acinus	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen		Congestion	Moderate
		Leukemia Mononuclear	
[Congestion TGLS = 4-6]			
[Leukemia Mononuclear TGLS = 4-6]			

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 78

TRT#: 2

SEX: Male

DAY ON TEST: 414

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	Multiple
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Eosinophilic Focus TGLS = 5-22,7-23]			
[Hemangiosarcoma TGLS = 5-22,7-23]			
[Hyperplasia TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 6-6]			
[Mixed Cell Focus TGLS = 5-22,7-23]			
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Marked
		Infiltration Cellular	Histiocyte, Marked
[Hemangiosarcoma TGLS = 2-2]			
[Hemorrhage TGLS = 2-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 78	TRT#: 2	SEX: Male	DAY ON TEST: 414
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79042

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 2-2] Lymph Node Note: Lymph Node, Mediastinal is missing.			
Mesentery [Hemangiosarcoma TGLS = 4-21]		Hemangiosarcoma	Metastatic (Liver)
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Congestion	Moderate
		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[Congestion TGLS = 3-6] [Hematopoietic Cell Proliferation TGLS = 3-6] [Leukemia Mononuclear TGLS = 3-6]			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Liver Mixed Cell Focus
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 79

TRT#: 2

SEX: Male

DAY ON TEST: 266

DOSE: 1.0 MG/KG/DY

DISP: Dosing Accident

HISTO: 96-77626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Marked
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Regenerative, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Hyperplasia TGLS = 5-6]			
* Lung		Hemorrhage	Moderate
Note: TGL 2-2 INCLUDES MARKED CONGESTION; NOT TABULATED.			
[Hemorrhage TGLS = 2-2]			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Pancreas		Atrophy	Minimal
* Spleen		Congestion	Mild
* Thymus		Hemorrhage	Moderate
[Hemorrhage TGLS = 1-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 80

TRT#: 2

SEX: Male

DAY ON TEST: 437

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Intestine Large, Cecum		Edema	Moderate
* Kidney		Glomerulosclerosis	Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Hemangiosarcoma	Multiple
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Regenerative, Marked
	[Hemangiosarcoma TGLS = 5-22,6-23]		
	[Hyperplasia TGLS = 4-6]		
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Minimal
		[Hemangiosarcoma TGLS = 8-2]	
		[Hemorrhage TGLS = 8-2]	
Lymph Node	Renal	Hemorrhage	Mild
	Renal	Pigmentation	Moderate
Note: Lymph Node, Medistinal is missing.			
		[Hemorrhage TGLS = 3-21]	
		[Pigmentation TGLS = 3-21]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 80	TRT#: 2	SEX: Male	DAY ON TEST: 437
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79072

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Inflammation	Chronic, Mild
* Spleen	Congestion	Moderate
	Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 81

TRT#: 2

SEX: Male

DAY ON TEST: 321

DOSE: 1.0 MG/KG/DY

DISP: Dosing Accident

HISTO: 97-78799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Bone Marrow	* Spleen
---------------	----------

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Moderate
* Esophagus		Perforation	
[Perforation TGLS = 8-26]			
* Liver	Hepatocyte	Cytomegaly	Mild
		Hemangiosarcoma	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Necrosis	Focal, Marked
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
[Hemangiosarcoma TGLS = 5-23]			
[Hepatodiaphragmatic Nodule TGLS = 4-22]			
[Necrosis TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
Lymph Node	Renal	Hemorrhage	Moderate
	Iliac	Necrosis	Moderate
	Renal	Necrosis	Mild
	Renal	Pigmentation	Moderate

Note: Lymph Node, Mediastinal is missing.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 81

TRT#: 2

SEX: Male

DAY ON TEST: 321

DOSE: 1.0 MG/KG/DY

DISP: Dosing Accident

HISTO: 97-78799

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 7-25]

[Necrosis TGLS = 6-24]

[Pigmentation TGLS = 7-25]

* Mammary Gland

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 82

TRT#: 2

SEX: Male

DAY ON TEST: 318

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-78800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Moderate
		Eosinophilic Focus	
		Hemangiosarcoma	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Basophilic Focus TGLS = 2-6]		
	[Hemangiosarcoma TGLS = 4-21]		
	[Hyperplasia TGLS = 2-6]		
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Spleen		Congestion	Moderate
* Stomach, Forestomach		Edema	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 83

TRT#: 2

SEX: Male

DAY ON TEST: 400

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Brain |
| * Epididymis | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lymph Node, Mandibular |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Forestomach | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|-------------|-----------------------|----------------------|
| * Bone Marrow | | Hyperplasia | Marked |
| * Heart | | | |
| Note: MINIMAL MYOCARDIAL MINERALIZATION; NOT TABULATED. | | | |
| * Liver | Hepatocyte | Cytomegaly | Moderate |
| | Hepatocyte | Hemangiosarcoma | |
| | | Hyperplasia | Regenerative, Marked |
| | | Necrosis | Focal, Moderate |
| [Hemangiosarcoma TGLS = 4-6] | | | |
| [Hyperplasia TGLS = 4-6] | | | |
| [Necrosis TGLS = 4-6] | | | |
| * Lung | | Hemangiosarcoma | Metastatic (Liver) |
| | | Hemorrhage | Marked |
| | | Infiltration Cellular | Histiocyte, Moderate |
| Note: TGL 3-2 INCLUDES NECROSIS ASSOCIATED WITH AREAS OF HEMORRHAGE. | | | |
| [Hemangiosarcoma TGLS = 3-2] | | | |
| [Hemorrhage TGLS = 3-2] | | | |
| [Infiltration Cellular TGLS = 3-2] | | | |
| Lymph Node | Mediastinal | Hemorrhage | Moderate |
| | Mediastinal | Necrosis | Moderate |
| | Mediastinal | Pigmentation | Moderate |
| [Hemorrhage TGLS = 9-3] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 83	TRT#: 2	SEX: Male	DAY ON TEST: 400
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79006

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 9-3]			
[Pigmentation TGLS = 9-3]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Nose		Foreign Body	
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Chronic, Moderate
* Prostate		Inflammation	Chronic, Mild
* Spleen		Hemangiosarcoma	Metastatic (Liver)
[Hemangiosarcoma TGLS = 2-6]			
* Stomach, Glandular		Ulcer	Moderate
[Ulcer TGLS = 10-21]			
* Testes		Atrophy	Moderate
[Atrophy TGLS = 6-7]			

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 84

TRT#: 2

SEX: Male

DAY ON TEST: 440

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Hepatocyte	Cytomegaly	Mild
		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Moderate
	Hepatocyte	Hyperplasia	Regenerative, Moderate
		Mixed Cell Focus	
		Necrosis	Focal, Moderate
[Hemangiosarcoma TGLS = 5-21]			
[Hyperplasia TGLS = 4-6]			
[Necrosis TGLS = 4-6]			
Lymph Node	Mediastinal	Pigmentation	Moderate
[Pigmentation TGLS = 1-3]			
* Mammary Gland		Cyst	Moderate
* Nose		Foreign Body	
		Inflammation	Chronic, Mild
* Pancreas		Hemangiosarcoma	Metastatic (Liver)
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 84	TRT#: 2	SEX: Male	DAY ON TEST: 440
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79073

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma		
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 85

TRT#: 2

SEX: Male

DAY ON TEST: 400

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hemorrhage	Marked
		Hepatocholangiocarcinoma	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Moderate
[Hemorrhage TGLS = 5-6]			
[Hepatocholangiocarcinoma TGLS = 5-6,6-23]			
[Hyperplasia TGLS = 5-6]			
* Lung		Edema	Moderate
		Hemorrhage	Marked
		Hepatocholangiocarcinoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Marked
[Edema TGLS = 7-2]			
[Hemorrhage TGLS = 7-2]			
[Hepatocholangiocarcinoma TGLS = 7-2]			
[Infiltration Cellular TGLS = 7-2]			
Lymph Node	Mediastinal	Hemorrhage	Marked
	Mediastinal	Pigmentation	Marked
[Hemorrhage TGLS = 8-24]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 85	TRT#: 2	SEX: Male	DAY ON TEST: 400
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79024

ORGAN AND ACCOUNTABLE SITE STATUS

[Pigmentation TGLS = 8-24]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-22]			
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-21]			
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
[Congestion TGLS = 4-6]			
[Hematopoietic Cell Proliferation TGLS = 4-6]			

PRIMARY CAUSE OF DEATH	- Liver Hepatocholangiocarcinoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia; Peritoneum Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 86

TRT#: 2

SEX: Male

DAY ON TEST: 373

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-78918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Mild
		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Marked
[Clear Cell Focus TGLS = 4-6]			
[Eosinophilic Focus TGLS = 4-6]			
[Hemangiosarcoma TGLS = 6-22]			
[Hepatodiaphragmatic Nodule TGLS = 5-21]			
[Hyperplasia TGLS = 4-6]			
[Hyperplasia TGLS = 4-6]			
Lymph Node	Mediastinal	Congestion	Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Spleen		Congestion	Moderate
[Congestion TGLS = 2-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 86	TRT#: 2	SEX: Male	DAY ON TEST: 373
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-78918

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus [Hemorrhage TGLS = 3-3]	Hemorrhage	Mild
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PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 87

TRT#: 2

SEX: Male

DAY ON TEST: 397

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Basophilic Focus	
		Cytomegaly	Moderate
		Eosinophilic Focus	
		Hemangiosarcoma	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Moderate
		Necrosis	Focal, Mild
[Eosinophilic Focus TGLS = 2-6]			
[Hemangiosarcoma TGLS = 3-21]			
[Hyperplasia TGLS = 2-6]			
[Necrosis TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Congestion	Marked
* Nose	Respirat Epith	Hyperplasia	Mild
* Spleen		Congestion	Moderate

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 88

TRT#: 2

SEX: Male

DAY ON TEST: 412

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
		Myelofibrosis	Mild
* Epididymis		Atypia Cellular	Mild
* Intestine Large, Cecum		Edema	Mild
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Necrosis	Moderate
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
* Liver		Hemangiosarcoma	Multiple
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Marked
Note: HEMANGIOSARC ALSO PRESENT OF SLIDE 6-1.			
	[Hemangiosarcoma TGLS = 2-21]		
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Moderate
	[Hemangiosarcoma TGLS = 3-2]		
	[Infiltration Cellular TGLS = 3-2]		
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Moderate
	[Hemorrhage TGLS = 6-3]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 88	TRT#: 2	SEX: Male	DAY ON TEST: 412
	DOSE: 1.0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-79010

ORGAN AND ACCOUNTABLE SITE STATUS

[Pigmentation TGLS = 6-3]			
* Lymph Node, Mesenteric		Hemorrhage	Moderate
* Prostate		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 5-6]			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 7-4]			
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 89

TRT#: 2

SEX: Male

DAY ON TEST: 462

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Diffuse, Mild
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Atypia Cellular	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Necrosis	Mild
		Nephropathy	Minimal
* Liver	Hepatocyte	Cytomegaly	Mild
		Hemangiosarcoma	
	Hepatocyte	Hyperplasia	Regenerative, Moderate
		Necrosis	Focal, Marked
		[Hemangiosarcoma TGLS = 5-21]	
		[Hyperplasia TGLS = 4-6]	
		[Necrosis TGLS = 4-6]	
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Marked
		[Hemangiosarcoma TGLS = 8-2]	
		[Hemorrhage TGLS = 8-2]	
Lymph Node	Mediastinal	Congestion	Marked
	Mediastinal	Hemorrhage	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 89	TRT#: 2	SEX: Male	DAY ON TEST: 462
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79276

ORGAN AND ACCOUNTABLE SITE STATUS

	Mediastinal	Pigmentation	Moderate
[Congestion TGLS = 7-23]			
[Hemorrhage TGLS = 7-23]			
[Pigmentation TGLS = 7-23]			
* Lymph Node, Mesenteric		Congestion	Minimal
* Pancreas		Hemangiosarcoma	Metastatic (Liver)
[Hemangiosarcoma TGLS = 6-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-6]			
* Stomach, Forestomach		Ulcer	Moderate
* Stomach, Glandular		Erosion	Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 90

TRT#: 2

SEX: Male

DAY ON TEST: 440

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	Skeletal Muscle	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Bone Marrow		Lymphoma Malignant	
* Kidney		Hydronephrosis	Moderate
		Nephropathy	Minimal
Note: HYDRONEPHROSIS INCLUDES RENAL CYST. [Hydronephrosis TGLS = 3-5]			
* Liver		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Moderate
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Moderate
[Hemangiosarcoma TGLS = 4-6]			
[Hematopoietic Cell Proliferation TGLS = 4-6]			
[Hyperplasia TGLS = 4-6]			
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Mild
[Hemangiosarcoma TGLS = 7-2]			
[Hemorrhage TGLS = 7-2]			
Lymph Node	Mediastinal	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 6-21]			
Mesentery			
Note: MALIGNANT LYMPHOMA IN MESENTERY ON SLIDE 7.			
Spinal Cord		Hemorrhage	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 90	TRT#: 2	SEX: Male	DAY ON TEST: 440
	DOSE: 1.0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-79074

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Necrosis	Moderate
		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
	[Hematopoietic Cell Proliferation TGLS = 2-6]		
	[Lymphoma Malignant TGLS = 2-6]		
* Stomach, Glandular		Erosion	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Hemorrhage	Mild
		Lymphoma Malignant	
	[Hemorrhage TGLS = 5-3]		
	[Lymphoma Malignant TGLS = 5-3]		
* Urinary Bladder		Hemorrhage	Mild
	[Hemorrhage TGLS = 1-8]		

PRIMARY CAUSE OF DEATH	- Spleen Lymphoma Malignant
CONTRIBUTORY CAUSE OF DEATH	- Liver Hemangiosarcoma; Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 91

TRT#: 2

SEX: Male

DAY ON TEST: 407

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Necrosis	Mild
		Nephropathy	Minimal
* Liver	Hepatocyte	Cytomegaly	Mild
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Metaplasia	Osseous, Mild
		Necrosis	Focal, Moderate
[Hemangiosarcoma TGLS = 2-21]			
[Hyperplasia TGLS = 3-6]			
[Hyperplasia TGLS = 3-6]			
* Lung		Hemangiosarcoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
Note: ZONE OF MULTIPLE FASCICLES OF COLLAGEN WITHIN LUNG PARENCHYMA; CONSIDERED DEVELOPMENTAL ANOMALY.			
[Hyperplasia TGLS = 6-22]			
Lymph Node	Mediastinal	Congestion	Marked
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 91	TRT#: 2	SEX: Male	DAY ON TEST: 407
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79011

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Congestion TGLS = 4-6]		Congestion	Moderate
* Testes [Adenoma TGLS = 5-7]	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 92

TRT#: 2

SEX: Male

DAY ON TEST: 402

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Mild
		Hemangiosarcoma	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Necrosis	Focal, Mild
[Hemangiosarcoma TGLS = 4-21]			
[Hyperplasia TGLS = 3-6]			
[Necrosis TGLS = 3-6]			
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Marked
		Infiltration Cellular	Histiocyte, Marked
[Hemangiosarcoma TGLS = 7-2]			
[Hemorrhage TGLS = 7-2]			
[Infiltration Cellular TGLS = 7-2]			
Lymph Node	Mediastinal	Hemorrhage	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 92	TRT#: 2	SEX: Male	DAY ON TEST: 402
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79025

ORGAN AND ACCOUNTABLE SITE STATUS

Mediastinal	Pigmentation	Moderate
[Hemorrhage TGLS = 6-22]		
[Pigmentation TGLS = 6-22]		
* Lymph Node, Mandibular	Hemorrhage	Mild
* Mammary Gland	Hyperplasia	Mild
* Preputial Gland	Inflammation	Chronic, Mild
* Spleen	Congestion	Mild
	Hematopoietic Cell Proliferation	Mild
[Congestion TGLS = 2-6]		
[Hematopoietic Cell Proliferation TGLS = 2-6]		

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 93

TRT#: 2

SEX: Male

DAY ON TEST: 424

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hemangiosarcoma	Multiple
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Necrosis	Focal, Marked
	[Hemangiosarcoma TGLS = 5-21,6-22,7-23,8-24]		
	[Hyperplasia TGLS = 4-6]		
	[Necrosis TGLS = 4-6]		
* Lung		Edema	Marked
		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Marked
		Infiltration Cellular	Histiocyte, Marked
	[Edema TGLS = 11-2]		
	[Hemangiosarcoma TGLS = 10-2,11-2]		
	[Hemorrhage TGLS = 11-2]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 93	TRT#: 2	SEX: Male	DAY ON TEST: 424
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79053

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 11-2]			
Lymph Node	Bronchial	Hemorrhage	Moderate
	Mediastinal	Hemorrhage	Mild
	Bronchial	Pigmentation	Moderate
[Hemorrhage TGLS = 12-25]			
[Pigmentation TGLS = 12-25]			
* Nose		Hemorrhage	Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-6]			
* Stomach, Glandular		Erosion	Minimal

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 94

TRT#: 2

SEX: Male

DAY ON TEST: 398

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Epididymis		Atypia Cellular	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Cytomegaly	Moderate
		Eosinophilic Focus	
		Hemangiosarcoma	Multiple
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Necrosis	Focal, Marked
	[Eosinophilic Focus TGLS = 4-21,5-23]		
	[Hemangiosarcoma TGLS = 4-21,5-23]		
	[Hepatocellular Adenoma TGLS = 4-21,5-23]		
	[Hyperplasia TGLS = 3-6]		
	[Necrosis TGLS = 3-6]		
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Preputial Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 94	TRT#: 2	SEX: Male	DAY ON TEST: 398
	DOSE: 1.0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-79008

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 2-8]		
* Salivary Glands	Necrosis	Mild
* Spleen	Necrosis	Mild
* Stomach, Glandular	Erosion	Moderate
[Erosion TGLS = 6-24]		
* Testes	Atrophy	Mild

PRIMARY CAUSE OF DEATH	- Liver Hepatocellular Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 95

TRT#: 2

SEX: Male

DAY ON TEST: 364

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-78919

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Mild
		Hemangiosarcoma	Multiple
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Moderate
		Necrosis	Focal, Mild
[Hemangiosarcoma TGLS = 3-21,4-6]			
[Hyperplasia TGLS = 4-6]			
[Hyperplasia TGLS = 4-6]			
[Necrosis TGLS = 4-6]			
* Lung		Edema	Marked
		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Marked
		Infiltration Cellular	Histiocyte, Marked
[Edema TGLS = 6-2]			
[Hemangiosarcoma TGLS = 6-2]			
[Hemorrhage TGLS = 6-2]			
[Infiltration Cellular TGLS = 6-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 95	TRT#: 2	SEX: Male	DAY ON TEST: 364
	DOSE: 1.0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-78919

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node [Hemangiosarcoma TGLS = 5-22]	Mediastinal	Hemangiosarcoma	Metastatic (Liver)
* Nose [Foreign Body TGLS = 2-6]	Respirat Epith	Foreign Body Hemorrhage Hyperplasia	Moderate Minimal
Perph Nerve Note: A FEW MAST CELLS IN SCIATIC NERVE; NOT CODED.			
* Spleen [Hematopoietic Cell Proliferation TGLS = 2-6]		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 96

TRT#: 2

SEX: Male

DAY ON TEST: 415

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Minimal
* Liver	Hepatocyte	Cytomegaly	Mild
		Degeneration	Cystic, Mild
		Hemangiosarcoma	Multiple
		Hemorrhage	Moderate
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Regenerative, Moderate
		Necrosis	Focal, Moderate
	[Hemangiosarcoma TGLS = 5-22,6-23]		
	[Hemorrhage TGLS = 7-24]		
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Moderate
	[Hemangiosarcoma TGLS = 9-2]		
	[Hemorrhage TGLS = 9-2]		
	[Infiltration Cellular TGLS = 9-2]		
Lymph Node	Mediastinal	Hemorrhage	Marked
	Mediastinal	Pigmentation	Moderate
	[Hemorrhage TGLS = 8-25]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 96	TRT#: 2	SEX: Male	DAY ON TEST: 415
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79043

ORGAN AND ACCOUNTABLE SITE STATUS

[Pigmentation TGLS = 8-25]			
Mesentery		Hemangiosarcoma	Metastatic (Liver)
[Hemangiosarcoma TGLS = 3-21]			
* Nose		Foreign Body	
* Pancreas		Atrophy	Minimal
* Prostate		Inflammation	Chronic, Marked
[Inflammation TGLS = 2-7-1]			
* Spleen		Congestion	Moderate
[Congestion TGLS = 4-6]			
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 97 TRT#: 2 SEX: Male DAY ON TEST: 411
DOSE: 1.0 MG/KG/DY DISP: Natural Death HISTO: 97-79044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Mild
		Eosinophilic Focus	
		Hemangiosarcoma	Multiple
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Moderate
	[Hemangiosarcoma TGLS = 4-22,5-23,6-24]		
	[Hyperplasia TGLS = 3-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Marked
	Mediastinal	Pigmentation	Moderate
Mesentery	Fat	Necrosis	Marked
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 97

TRT#: 2

SEX: Male

DAY ON TEST: 411

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79044

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Congestion

Moderate

* Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 2

SEX: Male

DAY ON TEST: 497

DOSE: 1.0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Brain | * Epididymis |
| * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Pituitary Gland | * Preputial Gland |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

INSUFFICIENT TISSUE

- * Intestine Large, Rectum

OBSERVATIONS

- | | | | |
|------------------------------|-------------|-----------------------|----------------------|
| * Adrenal Cortex | | Hyperplasia | Focal, Minimal |
| * Bone Marrow | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | Hepatocyte | Cytomegaly | Mild |
| | Bile Duct | Hyperplasia | Minimal |
| | Hepatocyte | Hyperplasia | Regenerative, Marked |
| [Hyperplasia TGLS = 3-6] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| Lymph Node | Mediastinal | Hemorrhage | Moderate |
| | Mediastinal | Pigmentation | Moderate |
| [Hemorrhage TGLS = 4-3] | | | |
| [Pigmentation TGLS = 4-3] | | | |
| * Pancreas | Acinus | Adenoma | |
| | | Atrophy | Mild |
| Note: ADENOMA IS ON SLIDE 4. | | | |
| * Prostate | | Inflammation | Chronic, Mild |
| * Spleen | | Congestion | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 2

SEX: Male

DAY ON TEST: 497

DOSE: 1.0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 97-79917

ORGAN AND ACCOUNTABLE SITE STATUS

[Congestion TGLS = 1-6]

* Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Mild

[Adenoma TGLS = 2-7]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 99

TRT#: 2

SEX: Male

DAY ON TEST: 407

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone	Femur	Osteopetrosis Osteosarcoma	Moderate
	[Osteosarcoma TGLS = 1-21]		
* Epididymis		Atypia Cellular	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Cytomegaly	Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Marked
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Hyperplasia TGLS = 3-6]		
	[Hyperplasia TGLS = 3-6]		
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Pigmentation	Mild
* Lymph Node, Mesenteric		Congestion	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLS = 2-6]		
* Stomach, Glandular		Ulcer	Mild
* Testes		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 99	TRT#: 2	SEX: Male	DAY ON TEST: 407
	DOSE: 1.0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-79026

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Ultimobranchial Cyst	Moderate
PRIMARY CAUSE OF DEATH	- Bone Osteosarcoma	
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 100

TRT#: 2

SEX: Male

DAY ON TEST: 375

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-78936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Liver	Hepatocyte	Cytomegaly	Mild
		Hemangiosarcoma	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Moderate
[Hemangiosarcoma TGLS = 3-21]			
[Hyperplasia TGLS = 5-6]			
[Hyperplasia TGLS = 5-6]			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Congestion	Moderate
[Congestion TGLS = 2-6]			
* Thymus		Hemorrhage	Moderate
[Hemorrhage TGLS = 4-3]			

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 101

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Degeneration	Moderate Fatty, Minimal
* Bone	Femur	Osteopetrosis	Mild
* Clitoral Gland		Cyst	Marked
[Cyst TGLS = 4-8]			
* Kidney	Renal Tubule	Hyaline Droplet	Mild
	Renal Tubule	Pigmentation	Mild
* Liver		Basophilic Focus Hepatodiaphragmatic Nodule Leukemia Mononuclear	
[Basophilic Focus TGLS = 2-6]			
[Hepatodiaphragmatic Nodule TGLS = 1-22]			
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Mammary Gland		Fibroadenoma Hyperplasia	Moderate
[Fibroadenoma TGLS = 5-23]			
[Hyperplasia TGLS = 3-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 101	TRT#: 3	SEX: Female	DAY ON TEST: 730
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82529

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 6-6]		Leukemia Mononuclear	
* Thyroid Gland	Follicle C Cell	Cyst Hyperplasia	Moderate Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 102	TRT#: 3	SEX: Female	DAY ON TEST: 468
	DOSE: 0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Liver		Basophilic Focus Hepatodiaphragmatic Nodule	
Note: .			
[Basophilic Focus TGLS = 3-22]			
[Hepatodiaphragmatic Nodule TGLS = 3-22]			
* Lung		Congestion Hemorrhage Infiltration Cellular	Moderate Moderate Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Mammary Gland		Hyperplasia	Mild
* Nose		Foreign Body Inflammation	Chronic, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH - Lung Hemorrhage

Animal Note: TGL 2 = NO CORRESPONDING LESION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 103

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82840

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Clitoral Gland		Adenoma	
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Lymph Node, Mediastinal is insufficient for evaluation.			
* Mammary Gland		Carcinoma	
		Hyperplasia	Moderate
[Carcinoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 104

TRT#: 3

SEX: Female

DAY ON TEST: 654

DOSE: 0 MG/KG/DY

DISP: Dosing Accident

HISTO: 98-81908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver		Angiectasis	Moderate
		Basophilic Focus	
		Clear Cell Focus	
* Lung		Congestion	Mild
		Hemorrhage	Marked
		Infiltration Cellular	Histiocyte, Mild
[Congestion TGLS = 4-2]			
[Hemorrhage TGLS = 4-2]			
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Mild
* Spleen		Pigmentation	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 105

TRT#: 3

DOSE: 0 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 98-82841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hypertrophy	Focal, Mild
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 6-24]			
* Clitoral Gland		Hyperplasia	Mild
* Kidney	Renal Tubule	Hyaline Droplet	Mild
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6]			
[Hepatodiaphragmatic Nodule TGLS = 3-23]			
[Mixed Cell Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Congestion	Mild
	Mediastinal	Pigmentation	Marked
[Congestion TGLS = 5-3]			
[Pigmentation TGLS = 5-3]			
* Mammary Gland		Adenoma	Multiple
		Fibroadenoma	Marked
		Hyperplasia	

Note: MAMMARY GLAND ADENOMA IS ON SLIDE 8.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 105	TRT#: 3	SEX: Female	DAY ON TEST: 730
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82841

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-21,2-22]			
* Pancreas	Acinus	Adenoma	
	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 106

TRT#: 3

DOSE: 0 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 98-82842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lacrimal Gland	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain		Hemorrhage	Moderate
[Hemorrhage TGLS = 5-1]			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Mixed Cell, Moderate
[Basophilic Focus TGLS = 4-6]			
[Hepatodiaphragmatic Nodule TGLS = 3-22]			
[Infiltration Cellular TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 106	TRT#: 3	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82842

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Mild
* Uterus	Hydrometra	Moderate

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 107

TRT#: 3

DOSE: 0 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 98-82530

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Nephropathy	Minimal
* Liver		Pigmentation	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Infiltration Cellular	Mixed Cell, Moderate
		[Basophilic Focus TGLS = 1-6]	
		[Clear Cell Focus TGLS = 1-6]	
		[Infiltration Cellular TGLS = 1-6]	
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Congestion	Mild
	Mediastinal	Pigmentation	Marked
		[Pigmentation TGLS = 7-24]	
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
		[Fibroadenoma TGLS = 3-22,9-25]	
		[Hyperplasia TGLS = 2-8]	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 5-23]	
* Pituitary Gland	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 107	TRT#: 3	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82530

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 8-1]	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Leukemia Mononuclear Pigmentation	Mild
Note: MODERATE SIZED LYMPHOHISTIOCYTIC FOCUS IN SPLEEN; NOT TABULATED.			
[Leukemia Mononuclear TGLS = 4-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 108

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone	Cranium	Osteopetrosis	Moderate
[Osteopetrosis TGLS = 6-24]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Renal Tubule	Hyaline Droplet	Mild
	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Mixed Cell, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6]			
[Hepatodiaphragmatic Nodule TGLS = 1-22]			
[Mixed Cell Focus TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 4-23]			
[Hyperplasia TGLS = 3-8]			
* Ovary		Luteoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 108	TRT#: 3	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82531

ORGAN AND ACCOUNTABLE SITE STATUS

[Luteoma TGLS = 5-7]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 109

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Moderate
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 3-21]			
[Hyperplasia TGLS = 2-8]			
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 110

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hypertrophy	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Mixed Cell, Mild
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 4-6]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
	Note: MODERATE HISTIOCYTIC HYPERPLASIA IN PANCREATIC NODE; NOT TABULATED.		
	Note: Lymph Node, Mediastinal is missing.		
	[Hyperplasia TGLS = 3-7]		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
	[Fibroadenoma TGLS = 2-21]		
	[Hyperplasia TGLS = 1-8]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 110

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82844

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 111

TRT#: 3

SEX: Female

DAY ON TEST: 636

DOSE: 0 MG/KG/DY

DISP: Natural Death

HISTO: 98-81909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Cyst	Moderate
	Hepatodiaphragmatic Nodule	
	Mixed Cell Focus	
<p>Note: TGL 5-22 IS A CYST; NOT TABULATED ON TDMS.</p> <p>[Basophilic Focus TGLS = 3-6]</p> <p>[Cyst TGLS = 5-22]</p> <p>[Hepatodiaphragmatic Nodule TGLS = 4-21]</p> <p>[Mixed Cell Focus TGLS = 3-6]</p>		
* Lung	Congestion	Mild
	Infiltration Cellular	Histiocyte, Minimal
	[Congestion TGLS = 6-2]	
Lymph Node		
<p>Note: Lymph Node, Mediastinal is missing.</p>		
* Mammary Gland	Hyperplasia	Minimal
	[Hyperplasia TGLS = 1-8]	
* Spleen	Pigmentation	Mild
* Uterus	Polyp Stromal	

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 112

TRT#: 3

SEX: Female

DAY ON TEST: 626

DOSE: 0 MG/KG/DY

DISP: Dosing Accident

HISTO: 97-81780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Moderate
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Hemorrhage	Moderate
[Hemorrhage TGLS = 4-2]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Spleen		Pigmentation	Moderate
* Uterus		Hydrometra	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 113

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82845

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone [Osteopetrosis TGLS = 4-22]	Cranium	Osteopetrosis	Mild
* Kidney	Transit Epithe Pelvis	Hyperplasia Mineralization Nephropathy	Minimal Mild Minimal
* Liver [Basophilic Focus TGLS = 3-6] [Mixed Cell Focus TGLS = 3-6]		Basophilic Focus Mixed Cell Focus	
* Lung Lymph Node Note: Lymph Node, Mediastinal is normal.		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Fibroadenoma TGLS = 2-21] [Hyperplasia TGLS = 1-8]		Fibroadenoma Hyperplasia	Minimal
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 113

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82845

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 114

TRT#: 3

SEX: Female

DAY ON TEST: 498

DOSE: 0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone	Femur	Osteopetrosis	Mild
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Moderate
* Ovary		Cyst	Moderate
* Skin		Myxosarcoma	
[Myxosarcoma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

- Skin Myxosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 115

TRT#: 3

SEX: Female

DAY ON TEST: 672

DOSE: 0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82846

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	Vagina

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-10]			
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Renal Tubule	Hyaline Droplet	Mild
	Renal Tubule	Pigmentation	Moderate
* Liver		Leukemia Mononuclear	
		Necrosis	Focal, Mild
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 7-3]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 115

TRT#: 3

SEX: Female

DAY ON TEST: 672

DOSE: 0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82846

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-6]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 116

TRT#: 3

DOSE: 0 MG/KG/DY

SEX: Female

DISP: Natural Death

DAY ON TEST: 678

HISTO: 98-82847

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 6-1]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Congestion	Moderate
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Moderate
[Hemorrhage TGLS = 3-3]			
[Pigmentation TGLS = 3-3]			
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 117

TRT#: 3

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Mild
* Lymph Node, Mandibular		Leukemia Mononuclear	
		Pigmentation	Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 117

TRT#: 3

DOSE: 0 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 98-82532

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

[Leukemia Mononuclear TGLS = 4-1]

* Thyroid Gland

* Uterus

C Cell

Leukemia Mononuclear

Pigmentation

Hyperplasia

Polyp Stromal

Mild

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 118

TRT#: 3

DOSE: 0 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 98-82848

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Moderate
* Brain		Compression	Moderate
[Compression TGLS = 9-1]			
* Clitoral Gland		Cyst	Mild
[Cyst TGLS = 2-8]			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Mixed Cell, Mild
[Basophilic Focus TGLS = 6-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 3-21,4-22,5-23]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 118

TRT#: 3

DOSE: 0 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 98-82848

ORGAN AND ACCOUNTABLE SITE STATUS

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 119

TRT#: 3

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82533

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Marked
[Osteopetrosis TGLS = 6-9]			
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 3-23]			
* Intestine Large, Rectum		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 5-24]			
* Kidney	Renal Tubule	Hyaline Droplet	Moderate
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
		Basophilic Focus	
* Liver		Infiltration Cellular	Histiocyte, Mild
* Lung			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 2-22]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Intermed	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Minimal
[Angiectasis TGLS = 7-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 119	TRT#: 3	SEX: Female	DAY ON TEST: 729
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82533

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Pigmentation	Mild
* Uterus		Hyperplasia	Minimal
[Polyp Stromal TGLS = 4-7]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 120

TRT#: 3

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Moderate
* Brain		Compression	Moderate
	[Compression TGLS = 7-1]		
* Clitoral Gland		Cyst	Marked
	[Cyst TGLS = 2-8]	Inflammation	Chronic, Mild
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 1-6]	Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 4-21]		
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Pigmentation	Moderate
* Mammary Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 3-8]		
* Ovary		Cyst	Moderate
	[Cyst TGLS = 5-7]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
	[Adenoma TGLS = 8-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 120	TRT#: 3	SEX: Female	DAY ON TEST: 729
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82849

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 121

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone [Osteopetrosis TGLS = 1-21]	Cranium	Osteopetrosis	Mild
* Clitoral Gland [Adenoma TGLS = 1-21]		Adenoma	
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver [Basophilic Focus TGLS = 6-6]		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland [Fibroadenoma TGLS = 4-22,7-24] [Hyperplasia TGLS = 3-8]		Fibroadenoma	Multiple
		Hyperplasia	Mild
Mesentery [Necrosis TGLS = 5-23]	Fat	Necrosis	Moderate
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Intermed	Cyst	Moderate
	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 2-1]			
* Spleen		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 121

TRT#: 3

DOSE: 0 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 98-82850

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Bilateral, C Cell

Adenoma

* Uterus

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 122

TRT#: 3

SEX: Female

DAY ON TEST: 437

DOSE: 0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-21]			
* Kidney	Renal Tubule	Hyaline Droplet	Marked
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 123

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	[Basophilic Focus TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Lymph Node		
	Note: Lymph Node, Mediastinal is normal.		
* Lymph Node, Mesenteric		Pigmentation	Mild
* Mammary Gland		Hyperplasia	Minimal
	[Hyperplasia TGLS = 2-8]		
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
	[Angiectasis TGLS = 5-1]		
	[Cyst TGLS = 5-1]		
	[Hyperplasia TGLS = 5-1]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Leiomyoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 123

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82852

ORGAN AND ACCOUNTABLE SITE STATUS

[Leiomyoma TGLS = 6-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 124

TRT#: 3

DOSE: 0 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 98-82853

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Bone | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Nose | * Ovary |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Esophagus

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------------|---------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Compression | Marked |
| | [Compression TGLS = 6-1] | | |
| * Clitoral Gland | | Hyperplasia | Mild |
| | | Inflammation | Chronic, Mild |
| * Kidney | Renal Tubule | Hyaline Droplet | Mild |
| | Renal Tubule | Pigmentation | Minimal |
| * Liver | | Hepatodiaphragmatic Nodule | |
| | Hepatocyte | Leukemia Mononuclear | |
| | | Vacuolization Cytoplasmic | Marked |
| | [Hepatodiaphragmatic Nodule TGLS = 5-23] | | |
| | [Leukemia Mononuclear TGLS = 4-6] | | |
| | [Vacuolization Cytoplasmic TGLS = 4-6] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 5-23] | | |
| Lymph Node | | | |
| | Note: Lymph Node, Mediastinal is normal. | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 124	TRT#: 3	SEX: Female	DAY ON TEST: 730
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82853

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Pigmentation	Mild
		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21,2-22]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 125 **TRT#:** 3 **SEX:** Female **DAY ON TEST:** 730
DOSE: 0 MG/KG/DY **DISP:** Terminal Sacrifice **HISTO:** 98-82854

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Clitoral Gland		Adenoma	
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Mixed Cell, Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 2-6]			
[Leukemia Mononuclear TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 4-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-1]			
* Uterus		Carcinoma	
[Carcinoma TGLS = 3-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 125

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82854

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 126

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82855

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	Vagina		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 7-24]		
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Congestion	Minimal
	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Marked
	[Fibroadenoma TGLS = 2-21,3-22]		
* Ovary		Cyst	Moderate
	[Cyst TGLS = 6-7]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 8-1]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Papilloma	
* Uterus		Polyp Stromal	Multiple
	[Polyp Stromal TGLS = 5-7,4-23]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 126

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82855

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 127 **TRT#:** 3 **SEX:** Female **DAY ON TEST:** 730
DOSE: 0 MG/KG/DY **DISP:** Terminal Sacrifice **HISTO:** 98-82856

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-7,4-23]			
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 5-7,4-23]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-6]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-21,3-22]		Hyperplasia	Moderate
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Ovary		Cyst	Moderate
		Infiltration Cellular	Mixed Cell, Marked
Note: MIXED CELL INFILTRATE CONSISTS OF MULTIPLE CIRCUMSCRIBED FOCI OF LYMPHOHISTIOCYTIC CELLS.			
[Infiltration Cellular TGLS = 8-7]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 127	TRT#: 3	SEX: Female	DAY ON TEST: 730
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82856

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 9-1]	Pars Distalis	Cyst	Moderate
* Skin [Fibrosarcoma TGLS = 4-23]	Subcut Tiss	Fibrosarcoma	
* Spleen [Leukemia Mononuclear TGLS = 7-6]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus [Polyp Stromal TGLS = 5-7,6-7]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 128

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82857

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hypertrophy	Focal, Mild
* Bone	Femur	Osteopetrosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
Mesentery		Accessory Spleen	
[Accessory Spleen TGLS = 4-21]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 5-1]			
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 129 **TRT#:** 3 **SEX:** Female **DAY ON TEST:** 730
DOSE: 0 MG/KG/DY **DISP:** Terminal Sacrifice **HISTO:** 98-82858

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 8-22,10-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
[Pigmentation TGLS = 7-5]			
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 5-2]			
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
[Angiectasis TGLS = 9-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 129	TRT#: 3	SEX: Female	DAY ON TEST: 730
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82858

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Hematopoietic Cell Proliferation TGLS = 6-6]		Hematopoietic Cell Proliferation	Marked
* Thyroid Gland [Carcinoma TGLS = 3-3]	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 130

TRT#: 3

DOSE: 0 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 98-82859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 5-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLS = 2-22]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Uterus		Hydrometra	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 130

TRT#: 3

DOSE: 0 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 98-82859

ORGAN AND ACCOUNTABLE SITE STATUS

Polyp Stromal

[Hydrometra TGLS = 7-7]

[Polyp Stromal TGLS = 6-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 131

TRT#: 3

DOSE: 0 MG/KG/DY

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 693

HISTO: 98-82860

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Esophagus	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
* Skin	Spinal Cord	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-1]			
* Bone	Cranium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Mild
[Osteopetrosis TGLS = 4-21]			
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-7]			
* Brain		Compression	Moderate
		Hydrocephalus	Mild
[Compression TGLS = 6-1]			
* Clitoral Gland		Cyst	Moderate
[Cyst TGLS = 1-8]			
* Intestine Large, Cecum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-1]			
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Leukemia Mononuclear	
	Renal Tubule	Pigmentation	Mild
[Leukemia Mononuclear TGLS = 1-8]			
* Liver	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 131	TRT#: 3	SEX: Female	DAY ON TEST: 693
	DOSE: 0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 98-82860

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Hyperplasia TGLS = 2-8]		Hyperplasia	Marked
* Ovary [Leukemia Mononuclear TGLS = 2-8]		Leukemia Mononuclear	
* Pituitary Gland [Adenoma TGLS = 5-1] [Leukemia Mononuclear TGLS = 2-8]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 5-1]		Leukemia Mononuclear	
* Stomach, Glandular [Leukemia Mononuclear TGLS = 5-1]		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	- Stomach, Glandular Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 132

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Mild
* Bone Marrow		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-1]		
* Brain		Compression	Mild
	[Compression TGLS = 3-1]		
* Heart		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-1]		
* Kidney	Renal Tubule	Hyaline Droplet	Moderate
	Renal Tubule	Pigmentation	Mild
* Liver		Eosinophilic Focus	
	Hepatocyte	Hepatocellular Adenoma	
		Hyperplasia	Focal, Marked
		Leukemia Mononuclear	
	[Eosinophilic Focus TGLS = 10-23]		
	[Hepatocellular Adenoma TGLS = 10-23]		
	[Hyperplasia TGLS = 9-22]		
	[Leukemia Mononuclear TGLS = 1-6]		
* Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-23]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Pigmentation	Mild
* Mammary Gland		Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 132	TRT#: 3	SEX: Female	DAY ON TEST: 730
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82861

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary [Cyst TGLS = 7-7]		Cyst	Moderate
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland [Adenoma TGLS = 2-1]	Pars Distalis	Adenoma	
* Spleen		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-21]			
[Hematopoietic Cell Proliferation TGLS = 4-6]			
[Leukemia Mononuclear TGLS = 4-6]			
* Uterus		Hyperplasia	Cystic, Moderate
Note: CYSTIC HYPERPLASIA INCLUDES SINGLE CYST ON CERVIX AND MULTIPLE SMALLER CYSTS IN HORNS.			
[Hyperplasia TGLS = 8-7]			

PRIMARY CAUSE OF DEATH - Bone Marrow Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 133

TRT#: 3

SEX: Female

DAY ON TEST: 720

DOSE: 0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone	Cranium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Marked
	[Osteopetrosis TGLS = 5-23]		
	[Osteopetrosis TGLS = 10-9]		
* Brain		Compression	Marked
		Hydrocephalus	Mild
	[Compression TGLS = 7-1]		
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Mixed Cell, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Basophilic Focus TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLS = 9-2]		
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
	[Fibroadenoma TGLS = 2-21,3-22]		
	[Hyperplasia TGLS = 1-8]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 8-24]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 133

TRT#: 3

DOSE: 0 MG/KG/DY

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 720

HISTO: 98-82862

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 6-1]

* Spleen

Pigmentation

Moderate

* Urin Bladder

Note: URIN BLADDER WALL APPEARS EDEMATOUS; CONSIDERED INFUSION ARTIFACT.

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

Animal Note: COLON AND JEJUNUM ARE SWITCHED ON SLIDES 3 AND 4.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 134

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82863

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Focal, Mild
* Clitoral Gland		Inflammation	Chronic, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	Minimal
	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Note: RENAL CYST; NOT TABULATED ON TDMS.			
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 1-6]		
* Lung		Infiltration Cellular	Histiocyte, Moderate
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 2-21,3-22,4-23]		
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
	Pars Distalis	Hyperplasia	Focal, Moderate
	[Angiectasis TGLS = 5-1]		
* Spleen		Pigmentation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 134

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82863

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 135

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82864

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Mild
Note: TGL 5-21 IS AN AREA OF MARKED HEPATOCELLULAR ATROPHY; NOT CODED ON TDMS. [Basophilic Focus TGLS = 4-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 6-22] [Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 135

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82864

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 3-7 IS CYSTIC STRUCTURE LINED BY TRANSITIONAL EPITHELIUM; APPEARS TO BE DILATED URETER; NOT TABULATED.

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 136

TRT#: 3

DOSE: 0 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 98-82865

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adren Cortex			
Note: MINIMAL OSSEOUS METAPLASIA IN ADRENAL CORTEX; NOT TABULATED.			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		[Basophilic Focus TGLS = 8-6]	
		[Clear Cell Focus TGLS = 8-6]	
		[Hepatodiaphragmatic Nodule TGLS = 7-23]	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Moderate
		[Hyperplasia TGLS = 1-8]	
Mesentery	Fat	Necrosis	Moderate
		[Necrosis TGLS = 6-22]	
* Nose		Inflammation	Chronic, Minimal
* Ovary		Cyst	Moderate
		[Cyst TGLS = 3-7]	
* Pancreas	Acinus	Hyperplasia	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 136	TRT#: 3	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82865

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-7]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 9-1]			
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hydrometra	Moderate
		Polyp Stromal	

Note: POLYP STROMAL IS NECROTIC.

[Hydrometra TGLS = 5-7]

[Polyp Stromal TGLS = 4-21]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 137

TRT#: 3

DOSE: 0 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 98-82866

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 11-8]			
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 8-24]			
* Clitoral Gland		Cyst	Moderate
[Cyst TGLS = 4-8]			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 6-6]			
[Hepatodiaphragmatic Nodule TGLS = 5-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Hemorrhage	Moderate
		Pigmentation	Mild
[Hemorrhage TGLS = 11-8]			
[Pigmentation TGLS = 11-8]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 137	TRT#: 3	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82866

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-21,3-22] [Hyperplasia TGLS = 1-8] * Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Cyst	Multiple Moderate
[Adenoma TGLS = 10-1] [Cyst TGLS = 9-1] * Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Mild
* Thymus [Thymoma Malignant TGLS = 7-3]		Thymoma Malignant	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 138

TRT#: 3

SEX: Female

DAY ON TEST: 640

DOSE: 0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-81910

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Degeneration Hypertrophy	Moderate Fatty, Minimal Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Clear Cell Focus Hepatodiaphragmatic Nodule	
	[Basophilic Focus TGLS = 2-6]		
	[Clear Cell Focus TGLS = 2-6]		
	[Hepatodiaphragmatic Nodule TGLS = 1-21]		
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
	[Adenoma TGLS = 3-1]		
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 139 **TRT#:** 3 **SEX:** Female **DAY ON TEST:** 731
DOSE: 0 MG/KG/DY **DISP:** Terminal Sacrifice **HISTO:** 98-82867

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 5-6]		
	[Clear Cell Focus TGLS = 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lym Node Mesen			
	Note: TGL 4-23 IS MODERATE HISTIOCYTIC HYPERPLASIA; NOT TABULATED.		
Lymph Node			
	Note: Lymph Node, Mediastinal is missing.		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
	[Fibroadenoma TGLS = 2-21]		
	[Hyperplasia TGLS = 1-8]		
Mesentery		Accessory Spleen	
	[Accessory Spleen TGLS = 3-22]		
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
	[Cyst TGLS = 6-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 139	TRT#: 3	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82867

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 140

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82868

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-8]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 5-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 141

TRT#: 3

SEX: Female

DAY ON TEST: 611

DOSE: 0 MG/KG/DY

DISP: Natural Death

HISTO: 97-81115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Necrosis	Focal, Moderate
[Angiectasis TGLS = 8-23]			
[Basophilic Focus TGLS = 4-6]			
[Necrosis TGLS = 9-23]			
* Lung		Hemorrhage	Moderate
[Hemorrhage TGLS = 5-2]			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Mammary Gland		Carcinoma	
		Hyperplasia	Marked
[Carcinoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-22]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 141

TRT#: 3

DOSE: 0 MG/KG/DY

SEX: Female

DISP: Natural Death

DAY ON TEST: 611

HISTO: 97-81115

ORGAN AND ACCOUNTABLE SITE STATUS

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

- Mammary Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 142

TRT#: 3

SEX: Female

DAY ON TEST: 545

DOSE: 0 MG/KG/DY

DISP: Natural Death

HISTO: 97-80238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain		Compression	Marked
		Hydrocephalus	Mild
[Compression TGLS = 2-1]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Necrosis	Focal, Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Moderate
* Ovary		Cyst	Moderate
[Cyst TGLS = 1-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 3

SEX: Female

DAY ON TEST: 483

DOSE: 0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Brain | * Clitoral Gland |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---------------------------------|---------------|----------------------------------|---------------------|
| * Adrenal Cortex | | Hypertrophy | Focal, Mild |
| * Bone Marrow | | Hyperplasia | Mild |
| * Liver | | Basophilic Focus | |
| [Basophilic Focus TGLS = 2-6] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| Lymph Node | Mediastinal | Hemorrhage | Minimal |
| | Mediastinal | Pigmentation | Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | Moderate |
| * Skin | Subcut Tiss | Fibroma | |
| [Fibroma TGLS = 1-21] | | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 144

TRT#: 3

SEX: Female

DAY ON TEST: 710

DOSE: 0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 8-24]			
* Bone Marrow		Hyperplasia	Mild
* Brain		Compression	Mild
[Compression TGLS = 9-1]			
* Intestine Large, Colon		Diverticulum	
[Diverticulum TGLS = 13-26]			
* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Necrosis	Focal, Minimal
[Basophilic Focus TGLS = 3-6]			
[Hepatodiaphragmatic Nodule TGLS = 6-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-22]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 144	TRT#: 3	SEX: Female	DAY ON TEST: 710
	DOSE: 0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 98-82869

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 10-1]

* Skin	Subcut Tiss	Lipoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	Multiple

Note: THE STROMAL POLYP ON SLIDE 25 IS NECROTIC.

[Polyp Stromal TGLS = 11-25,12-7]

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 145

TRT#: 3

DOSE: 0 MG/KG/DY

SEX: Female

DISP: Natural Death

DAY ON TEST: 611

HISTO: 97-81116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|----------------------------|--------------------------|
| * Bone | * Bone Marrow | * Brain | * Clitoral Gland |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Nose | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | * Uterus | | |

AUTO PRECLUDES DIAG.

- * Intestine Small, Ileum

OBSERVATIONS

- | | | | |
|---|---------------|----------------------------|------------------------|
| * Adrenal Cortex | | Adenoma | |
| * Adrenal Medulla | | Pheochromocytoma Malignant | |
| [Pheochromocytoma Malignant TGLS = 6-22] | | | |
| * Kidney | Renal Tubule | Pigmentation | Minimal |
| * Liver | | Basophilic Focus | |
| | | Leukemia Mononuclear | |
| [Basophilic Focus TGLS = 7-6] | | | |
| [Leukemia Mononuclear TGLS = 7-6] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| [Infiltration Cellular TGLS = 8-2] | | | |
| Lymph Node | Mediastinal | Hemorrhage | Mild |
| | Mediastinal | Pigmentation | Mild |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Inflammation | Granulomatous, Minimal |
| | | Pigmentation | Mild |
| Note: A FEW MULTINUCLEATED GIANT CELLS IN MESENTERIC NODE; NOT TABULATED. | | | |
| * Mammary Gland | | Fibroadenoma | |
| | | Hyperplasia | Mild |
| Note: FIBROADENOMA IS ON SLIDE 8. | | | |
| * Ovary | | Cyst | Moderate |
| * Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 145	TRT#: 3	SEX: Female	DAY ON TEST: 611
	DOSE: 0 MG/KG/DY	DISP: Natural Death	HISTO: 97-81116

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-1]			
* Skin		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-21]			
* Spleen		Leukemia Mononuclear Pigmentation	Minimal
[Leukemia Mononuclear TGLS = 2-6]			
* Thyroid Gland		Ultimobranchial Cyst	Moderate

PRIMARY CAUSE OF DEATH	- Adrenal Medulla Pheochromocytoma Malignant
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma;Skin Schwannoma Malignant;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 146

TRT#: 3

SEX: Female

DAY ON TEST: 393

DOSE: 0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Chronic, Mild
* Kidney	Renal Tubule	Hyaline Droplet	Moderate
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Renal Tubule	Pigmentation	Moderate
	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 2-6]		
* Lung		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLS = 3-2]		
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Marked
	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Mild
	Note: PROLIFERATION OF CELLS RESEMBLING RETICULUM CELLS IN MEDIASTINAL LYMPH NODE, POSSIBLY A MANIFESTATION OF LEUKEMIA MONUC; NOT TABULATED.		
	[Infiltration Cellular TGLS = 4-3]		
	[Pigmentation TGLS = 4-3]		
* Mammary Gland		Hyperplasia	Moderate
* Pancreas		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 146	TRT#: 3	SEX: Female	DAY ON TEST: 393
	DOSE: 0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-79003

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 1-6]

[Leukemia Mononuclear TGLS = 1-6]

* Thyroid Gland	C Cell	Hyperplasia	Minimal
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PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 147

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82870

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Esophagus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 6-22]			
* Clitoral Gland	Bilateral	Adenoma	
[Adenoma TGLS = 4-8]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-6]		Clear Cell Focus	
[Clear Cell Focus TGLS = 1-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 147

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82870

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 3-21]

[Hyperplasia TGLS = 2-8]

* Pancreas

* Pituitary Gland

[Adenoma TGLS = 7-1]

* Spleen

* Uterus

[Polyp Stromal TGLS = 5-7]

Pars Distalis

Pars Distalis

Atrophy

Adenoma

Hyperplasia

Pigmentation

Polyp Stromal

Minimal

Focal, Moderate

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 148

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland	* Thymus	* Thyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Mild
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
		[Basophilic Focus TGLS = 1-6]	
		[Clear Cell Focus TGLS = 1-6]	
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
		[Fibroadenoma TGLS = 3-21]	
		[Hyperplasia TGLS = 2-8]	
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 148

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82871

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 149

TRT#: 3

DOSE: 0 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 98-82872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy Cardiomyopathy	Fatty, Mild Focal, Mild Mild
* Heart			
* Kidney	Renal Tubule	Hyaline Droplet Nephropathy	Minimal Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus Clear Cell Focus Mixed Cell Focus	
		[Basophilic Focus TGLS = 9-6]	
		[Clear Cell Focus TGLS = 9-6]	
		[Mixed Cell Focus TGLS = 9-6]	
* Lung		Infiltration Cellular Inflammation	Histiocyte, Minimal Granulomatous, Mild
		[Infiltration Cellular TGLS = 7-2]	
Lymph Node	Mediastinal	Congestion	Minimal
	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma Hyperplasia	Multiple Mild
Note: FIBROADENOMA ON SLIDE 23 HAS AREAS OF INCREASED ANAPLASIA AND MITOTIC ACTIVITY; CONSIDERED POSSIBLY EARLY CARCINOMATOUS TRANSFORMATION.			
		[Fibroadenoma TGLS = 2-21,3-22,4-23,5-24]	
		[Hyperplasia TGLS = 1-8]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 149	TRT#: 3	SEX: Female	DAY ON TEST: 730
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82872

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Foreign Body	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 150

TRT#: 3

DOSE: 0 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 98-82873

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Intestine Large, Colon

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Bone	Cranium	Osteopetrosis	Mild
	Femur	Osteopetrosis	Moderate
	[Osteopetrosis TGLS = 6-23]		
* Clitoral Gland	Bilateral	Adenoma	
	[Adenoma TGLS = 1-8]		
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 5-6]	Infiltration Cellular	Mixed Cell, Mild
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
	[Fibroadenoma TGLS = 3-21,4-22]		
	[Hyperplasia TGLS = 2-8]		
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 150	TRT#: 3	SEX: Female	DAY ON TEST: 730
	DOSE: 0 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82873

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 7-1]

* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: UNIDENTIFIED GLANDULAR STRUCTURE ON SLIDE 8 ADJACENT TO PAROTID SALIVARY GLAND; POSSIBLY MICROTOMING ARTIFACT FROM ANOTHER ANIMAL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 151

TRT#: 4

SEX: Female

DAY ON TEST: 693

DOSE: 0.01 MG/KG/DY

DISP: Natural Death

HISTO: 98-82969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex [Carcinoma TGLS = 2-22]	Carcinoma	
* Liver [Basophilic Focus TGLS = 3-6]	Basophilic Focus Infiltration Cellular	Mixed Cell, Mild
* Lung [Congestion TGLS = 4-2]	Congestion	Moderate
Lymph Node Note: Lymph Node, Mediastinal is missing.		
* Mammary Gland	Hyperplasia	Mild
* Skin [Basal Cell Adenoma TGLS = 1-21]	Basal Cell Adenoma	
* Spleen	Hematopoietic Cell Proliferation Leukemia Mononuclear Pigmentation	Minimal Moderate

Note: LEUKEMIA MONUC IS IN AN EARLY STAGE.

PRIMARY CAUSE OF DEATH - Adrenal Cortex Carcinoma
 CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 152

TRT#: 4

SEX: Female

DAY ON TEST: 719

DOSE: 0.01 MG/KG/DY

DISP: Natural Death

HISTO: 98-82970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-22]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-6]			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21,2-22,4-23]			
[Hyperplasia TGLS = 3-8,5-24]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 153

TRT#: 4

SEX: Female

DAY ON TEST: 650

DOSE: 0.01 MG/KG/DY

DISP: Natural Death

HISTO: 98-81911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Basophilic Focus TGLS = 4-6]		
	[Hepatodiaphragmatic Nodule TGLS = 3-23]		
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Congestion	Minimal
	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	Note: MINIMAL GLANDULAR COMPONENT VISIBLE IN THE FIBROADENOMA.		
	[Fibroadenoma TGLS = 1-21]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 2-22]		
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 153

TRT#: 4

SEX: Female

DAY ON TEST: 650

DOSE: 0.01 MG/KG/DY

DISP: Natural Death

HISTO: 98-81911

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 154

TRT#: 4

SEX: Female

DAY ON TEST: 520

DOSE: 0.01 MG/KG/DY

DISP: Natural Death

HISTO: 97-80062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 5-1]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Mixed Cell, Minimal
[Basophilic Focus TGLS = 3-6,3-21]			
* Lung		Congestion	Moderate
		Metaplasia	Osseous, Minimal
[Congestion TGLS = 4-2]			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Carcinoma	
		Hyperplasia	Moderate
[Carcinoma TGLS = 8-22]			
[Hyperplasia TGLS = 7-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 154

TRT#: 4

SEX: Female

DAY ON TEST: 520

DOSE: 0.01 MG/KG/DY

DISP: Natural Death

HISTO: 97-80062

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 1-7]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 155

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Ovary	* Pituitary Gland
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OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy Pheochromocytoma Benign	Fatty, Moderate Focal, Moderate
* Adrenal Medulla			
[Pheochromocytoma Benign TGLS = 5-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet Nephropathy Pigmentation	Mild Minimal Minimal
[Pigmentation TGLS = 6-5]	Renal Tubule		
* Liver		Basophilic Focus Leukemia Mononuclear Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6]			
[Mixed Cell Focus TGLS = 4-6]			
* Lung		Infiltration Cellular Pigmentation Hyperplasia	Histiocyte, Minimal Mild Moderate
Lymph Node	Mediastinal		
* Mammary Gland			
[Hyperplasia TGLS = 2-8]			
* Skin	Epidermis	Hyperplasia Ulcer	Mild Minimal
[Hyperplasia TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 155

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82971

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 1-21]

* Spleen

Leukemia Mononuclear
Pigmentation

Mild

[Leukemia Mononuclear TGLS = 1-21]

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 7-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 156

TRT#: 4

SEX: Female

DAY ON TEST: 718

DOSE: 0.01 MG/KG/DY

DISP: Natural Death

HISTO: 98-82972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Bone	Cranium	Osteopetrosis	Mild
	Femur	Osteopetrosis	Mild
	[Osteopetrosis TGLS = 8-22]		
* Brain		Compression	Moderate
	[Compression TGLS = 6-1]		
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Mixed Cell, Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
	[Fibroadenoma TGLS = 1-21]		
	[Hyperplasia TGLS = 2-8]		
* Ovary		Cyst	Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 7-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 156

TRT#: 4

SEX: Female

DAY ON TEST: 718

DOSE: 0.01 MG/KG/DY

DISP: Natural Death

HISTO: 98-82972

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Moderate
* Thymus	Thymoma Benign	
* Uterus	Hyperplasia	Cystic, Mild
	Polyp Stromal	

Note: TGL 4-7 IS AN INTUSSUSCEPTION OF UTERINE HORN; MORPHOLOGY NOT AVAILABLE ON TDMS.

[Hyperplasia TGLS = 5-7]

[Polyp Stromal TGLS = 3-7]

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 157

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82973

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 158

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Infiltration Cellular	Mixed Cell, Minimal
		[Basophilic Focus TGLS = 3-6]	
		[Eosinophilic Focus TGLS = 3-6]	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
		[Infiltration Cellular TGLS = 4-2]	
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Mammary Gland		Hyperplasia	Mild
		[Hyperplasia TGLS = 2-8]	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
		[Polyp Stromal TGLS = 1-7]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 159

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Marked
* Clitoral Gland		Inflammation	Chronic, Mild
* Kidney	Renal Tubule	Hyaline Droplet	Mild
	Renal Tubule	Pigmentation	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 160

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain		Compression	Moderate
		Hydrocephalus	Mild
	[Compression TGLS = 5-1]		
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Chronic, Moderate
* Kidney	Renal Tubule	Hyaline Droplet	Moderate
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Mixed Cell, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 2-6]		
	[Hepatodiaphragmatic Nodule TGLS = 7-21]		
	[Mixed Cell Focus TGLS = 7-21]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
	[Pigmentation TGLS = 3-3]		
* Mammary Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 1-8]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 160

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82976

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation
Pigmentation

Mild
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 161

TRT#: 4

DOSE: 0.01 MG/KG/DY

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 573

HISTO: 97-80519

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Vagina

OBSERVATIONS

* Adrenal Cortex		Degeneration Leukemia Mononuclear	Fatty, Mild
[Leukemia Mononuclear TGLS = 5-10]			
* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 14-21]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Thrombosis	Mild
[Thrombosis TGLS = 13-5]			
* Kidney	Renal Tubule	Nephropathy Pigmentation	Minimal Mild
* Liver		Basophilic Focus Hepatodiaphragmatic Nodule Leukemia Mononuclear	
	Kupffer Cell	Pigmentation	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Marked
[Hepatodiaphragmatic Nodule TGLS = 8-22]			
[Leukemia Mononuclear TGLS = 9-6]			
[Vacuolization Cytoplasmic TGLS = 9-6]			
* Lung		Hemorrhage Infiltration Cellular Leukemia Mononuclear	Mild Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 161

TRT#: 4

SEX: Female

DAY ON TEST: 573

DOSE: 0.01 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80519

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 17-2-1]			
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Iliac	Pigmentation	Marked
	Mediastinal	Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 18-25]			
[Leukemia Mononuclear TGLS = 12-23]			
[Pigmentation TGLS = 12-23]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-5]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-5]			
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 6-24]			
* Ovary		Cyst	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6,16-6-1]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-3]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
Note: UTERINE ENDOMETRIAL GLANDS MILDLY DYSPLASTIC (SLIDE 7-1); NOT TABULATED.			
[Polyp Stromal TGLS = 3-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 162

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 5-1]			
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 2-6]			
[Clear Cell Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 163

TRT#: 4

SEX: Female

DAY ON TEST: 679

DOSE: 0.01 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney	Renal Tubule	Dilatation	Mild
	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
		[Fibroadenoma TGLS = 2-21]	
		[Hyperplasia TGLS = 1-8]	
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 164

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		[Basophilic Focus TGLS = 2-6]	
		[Clear Cell Focus TGLS = 1-21]	
		[Hepatodiaphragmatic Nodule TGLS = 1-21]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Mild
		[Hyperplasia TGLS = 5-8]	
Mesentery	Fat	Necrosis	Marked
		[Necrosis TGLS = 3-22]	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
		[Adenoma TGLS = 6-1]	
		[Cyst TGLS = 7-1]	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
Vagina		Leiomyoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 164

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82979

ORGAN AND ACCOUNTABLE SITE STATUS

[Leiomyoma TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 165

TRT#: 4

DOSE: 0.01 MG/KG/DY

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 715

HISTO: 98-82980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	Vagina

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear Pheochromocytoma Benign	
[Leukemia Mononuclear TGLS = 5-7]			
[Pheochromocytoma Benign TGLS = 5-7]			
* Bone	Femur	Osteopetrosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]			
* Clitoral Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Kidney	Renal Tubule	Nephropathy Pigmentation	Minimal Minimal
* Liver	Hepatocyte	Basophilic Focus Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
[Basophilic Focus TGLS = 6-6]			
* Lung		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 165	TRT#: 4	SEX: Female	DAY ON TEST: 715
	DOSE: 0.01 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 98-82980

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-7]			
* Mammary Gland		Hyperplasia	Mild
* Nose			
Note: MINIMAL MUCOSAL SQUAMOUS METAPLASIA; NOT TABULATED.			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 7-1]			
[Leukemia Mononuclear TGLS = 7-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Stomach, Glandular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-7]			
* Urinary Bladder		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-7]			

PRIMARY CAUSE OF DEATH	- Urinary Bladder	Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 166

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 4-3]			
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 7-22]			
* Brain		Compression	Marked
[Compression TGLS = 6-1]		Hydrocephalus	Moderate
* Clitoral Gland		Inflammation	Chronic, Moderate
Note: DIFFUSE MONONUCLEAR CELL INFILTRATE AND FIBROSIS IN CLITORAL GLAND INTERSTITIUM.			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Angiectasis	Moderate
[Basophilic Focus TGLS = 3-6]		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 166

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82981

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 5-1]

Pars Distalis

Adenoma

* Spleen

Pigmentation

Moderate

* Thyroid Gland
[Carcinoma TGLS = 4-3]

Follicular Cel

Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 167

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone	Cranium	Osteopetrosis	Marked
	Femur	Osteopetrosis	Marked
	[Osteopetrosis TGLS = 5-21]		
* Clitoral Gland		Adenoma	
	[Adenoma TGLS = 5-21]		
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 3-6]		
	[Eosinophilic Focus TGLS = 3-6]		
	[Mixed Cell Focus TGLS = 3-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 1-8]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-1]		
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 168

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hypertrophy	Focal, Mild
* Bone	Cranium	Osteopetrosis	Moderate
[Osteopetrosis TGLS = 4-22]			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Moderate
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 169

TRT#: 4

SEX: Female

DAY ON TEST: 513

DOSE: 0.01 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Bone | * Brain | * Clitoral Gland |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---|---------------|-----------------------------|---------------------|
| * Adrenal Medulla
[Leukemia Mononuclear TGLS = 4-5] | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Liver | | Leukemia Mononuclear | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| * Lymph Node, Mandibular
[Leukemia Mononuclear TGLS = 4-5] | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric
[Leukemia Mononuclear TGLS = 4-5] | | Leukemia Mononuclear | |
| * Mammary Gland
[Fibroadenoma TGLS = 1-21] | | Fibroadenoma
Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Moderate |
| * Spleen
[Leukemia Mononuclear TGLS = 2-6] | | Leukemia Mononuclear | |
| * Stomach, Glandular
[Leukemia Mononuclear TGLS = 4-5] | | Leukemia Mononuclear | |
| * Thymus
[Leukemia Mononuclear TGLS = 2-6] | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 169

TRT#: 4

SEX: Female

DAY ON TEST: 513

DOSE: 0.01 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80063

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 170

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Clitoral Gland		Adenoma	
		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	[Basophilic Focus TGLS = 3-6]		
	[Clear Cell Focus TGLS = 4-21]		
	[Hepatodiaphragmatic Nodule TGLS = 4-21]		
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 1-8]		
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 170

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82984

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation
Pigmentation

Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 171

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone	Cranium	Osteopetrosis	Moderate
[Osteopetrosis TGLS = 12-23]			
* Brain		Compression	Mild
[Compression TGLS = 14-1]			
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Lipoma	
[Lipoma TGLS = 15-24]			
* Kidney	Renal Tubule	Hyaline Droplet	Mild
	Transit Epithe	Hyperplasia	Moderate
		Infarct	Moderate
		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Mild
[Infarct TGLS = 7-5]			
[Nephropathy TGLS = 7-5]			
* Liver	Hepatocyte	Basophilic Focus	
		Vacuolization Cytoplasmic	Mild
[Basophilic Focus TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 171	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 0.01 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82985

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 3-21]			
[Hyperplasia TGLS = 2-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-22]			
* Ovary		Cyst	Moderate
		Granulosa Cell Tumor Malignant	
[Cyst TGLS = 8-7]			
[Granulosa Cell Tumor Malignant TGLS = 8-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 13-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Uterus		Hyperplasia	Cystic, Marked
		Polyp Stromal	
[Hyperplasia TGLS = 10-7,11-7]			
[Polyp Stromal TGLS = 9-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 172

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy Cardiomyopathy	Fatty, Marked Focal, Moderate Minimal
* Heart			Minimal
* Kidney	Renal Tubule	Hyaline Droplet Nephropathy	Minimal Minimal
	Renal Tubule	Pigmentation Basophilic Focus Necrosis	Minimal Focal, Minimal
* Liver			
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Adenoma Fibroadenoma Hyperplasia	Multiple Moderate
Note: ADENOMA APPEARS TO BE IN EARLY STAGE OF DEVELOPMENT AND IS ON SLIDE 8 WITH REGULAR MAMMARY GLAND SECTION.			
[Adenoma TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,7-22]			
[Hyperplasia TGLS = 1-8]			
* Pancreas	Acinus	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 172

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82986

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Pigmentation

Mild

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 173

TRT#: 4

DOSE: 0.01 MG/KG/DY

SEX: Female

DISP: Natural Death

DAY ON TEST: 600

HISTO: 97-81069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Bone	Cranium	Osteopetrosis	Mild
	Femur	Osteopetrosis	Moderate
	[Osteopetrosis TGLS = 7-9]		
	[Osteopetrosis TGLS = 8-22]		
* Brain		Compression	Mild
		Hemorrhage	Moderate
	[Compression TGLS = 10-1]		
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Note: BASOPHILIC FOCI ALSO PRESENT ON SLIDE 6.		
	[Basophilic Focus TGLS = 11-23]		
* Lung		Congestion	Moderate
		Infiltration Cellular	Histiocyte, Minimal
	[Congestion TGLS = 6-2]		
Lymph Node	Mediastinal	Pigmentation	Mild
	[Pigmentation TGLS = 5-3]		
* Mammary Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 1-8]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 9-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 173	TRT#: 4	SEX: Female	DAY ON TEST: 600
	DOSE: 0.01 MG/KG/DY	DISP: Natural Death	HISTO: 97-81069

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Hemorrhage	Moderate
	[Hemorrhage TGLS = 4-3]		
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 3-21]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 174

TRT#: 4

SEX: Female

DAY ON TEST: 672

DOSE: 0.01 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	Vagina		

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-2]			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Mammary Gland		Carcinoma	
		Hyperplasia	Marked
[Carcinoma TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 174	TRT#: 4	SEX: Female	DAY ON TEST: 672
	DOSE: 0.01 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 98-82987

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 9-8] Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-22] * Pituitary Gland	Pars Distalis	Angiectasis	Marked
[Angiectasis TGLS = 8-1] * Spleen		Fibrosis Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild Mild
[Fibrosis TGLS = 11-6] [Hematopoietic Cell Proliferation TGLS = 2-6] [Leukemia Mononuclear TGLS = 2-6] * Uterus		Hydrometra	Mild
[Hydrometra TGLS = 3-7]			

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 175

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
		Basophilic Focus	
* Liver			
[Basophilic Focus TGLS = 4-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 6-22]			
* Spleen		Pigmentation	Mild
* Thymus		Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 175

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82988

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 176

TRT#: 4

DOSE: 0.01 MG/KG/DY

SEX: Female

DISP: Dosing Accident

DAY ON TEST: 643

HISTO: 98-81912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Hemorrhage	Moderate
[Hemorrhage TGLS = 5-2]			
Lymph Node	Mediastinal	Congestion	Mild
	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 6-22]		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 2-21]			
* Pancreas		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 177

TRT#: 4

SEX: Female

DAY ON TEST: 698

DOSE: 0.01 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Salivary Glands	Skeletal Muscle	* Skin
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Moderate Focal, Minimal
* Bone	Femur	Osteopetrosis	Mild
* Liver	[Basophilic Focus TGLS = 3-6]	Basophilic Focus	
* Lung		Infiltration Cellular Metaplasia	Histiocyte, Minimal Osseous, Marked
Note: OSSEOUS LESION (TGL 7-21) SUGGESTIVE OF METASTATIC OSTEOSARCOMA; TISSUE RECHECKED AND NONE FOUND. [Infiltration Cellular TGLS = 5-2] [Metaplasia TGLS = 7-21]			
Lymph Node	Mediastinal Mediastinal	Hemorrhage Pigmentation	Minimal Moderate
	[Hemorrhage TGLS = 4-3] [Pigmentation TGLS = 4-3]		
* Mammary Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 1-8]		
* Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Moderate Moderate
	[Hyperplasia TGLS = 2-1]		
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 177

TRT#: 4

SEX: Female

DAY ON TEST: 698

DOSE: 0.01 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82989

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 178 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 731
DOSE: 0.01 MG/KG/DY **DISP:** Terminal Sacrifice **HISTO:** 98-82990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
		[Basophilic Focus TGLS = 3-6]	
		[Mixed Cell Focus TGLS = 3-6]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Pancreatic	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Pigmentation	Moderate
		[Hyperplasia TGLS = 2-7]	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
		Pigmentation	Mild
* Mammary Gland		Hyperplasia	Moderate
		[Hyperplasia TGLS = 1-8]	
* Pituitary Gland	Pars Distalis	Cyst	Moderate
		[Cyst TGLS = 4-1]	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 178

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82990

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: THE JEJUNUM AND COLON ARE SWITCHED ON SLIDES 3 AND 4.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 179

TRT#: 4

SEX: Female

DAY ON TEST: 675

DOSE: 0.01 MG/KG/DY

DISP: Natural Death

HISTO: 98-82991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Congestion	Marked
		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Congestion TGLS = 5-2]			
[Hemorrhage TGLS = 5-2]			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Urinary Bladder		Edema	Moderate
* Uterus		Hydrometra	Marked
		Leiomyosarcoma	
[Hydrometra TGLS = 3-7]			
[Leiomyosarcoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

- Uterus Leiomyosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 179

TRT#: 4

SEX: Female

DAY ON TEST: 675

DOSE: 0.01 MG/KG/DY

DISP: Natural Death

HISTO: 98-82991

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 180

TRT#: 4

SEX: Female

DAY ON TEST: 644

DOSE: 0.01 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-81913

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone [Osteopetrosis TGLS = 3-22]	Cranium	Osteopetrosis	Mild
* Bone Marrow		Hyperplasia	Mild
* Kidney	Renal Tubule	Cytoplasmic Alteration	Mild
	Renal Tubule	Hyaline Droplet	Mild
* Liver [Basophilic Focus TGLS = 1-6]		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Mammary Gland		Hyperplasia	Mild
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
[Angiectasis TGLS = 4-1]			
[Hyperplasia TGLS = 4-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 180

TRT#: 4

SEX: Female

DAY ON TEST: 644

DOSE: 0.01 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-81913

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 2-21]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 181

TRT#: 4

SEX: Female

DAY ON TEST: 612

DOSE: 0.01 MG/KG/DY

DISP: Dosing Accident

HISTO: 97-81362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Adrenal Medulla

OBSERVATIONS

* Esophagus	Inflammation	Chronic, Moderate
* Heart	Cardiomyopathy	Minimal
* Liver	Basophilic Focus	
[Basophilic Focus TGLS = 2-6]		
* Lung	Congestion	Moderate
	Hemorrhage	Mild
	Infiltration Cellular	Histiocyte, Moderate
[Congestion TGLS = 1-2]		
[Hemorrhage TGLS = 1-2]		
[Infiltration Cellular TGLS = 1-2]		
Lymph Node		
Note: Lymph Node, Mediastinal is missing.		
* Mammary Gland	Hyperplasia	Mild
* Spleen	Pigmentation	Moderate
* Stom Forestom		
Note: MULTIFOCAL MINERALIZATION IN SUBMUCOSA; NOT TABULATED.		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 182

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Focal, Moderate
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
		[Basophilic Focus TGLS = 2-6]	
		[Mixed Cell Focus TGLS = 2-6]	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Minimal
		[Hyperplasia TGLS = 1-8]	
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 183

TRT#: 4

SEX: Female

DAY ON TEST: 636

DOSE: 0.01 MG/KG/DY

DISP: Dosing Accident

HISTO: 98-81914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Hemorrhage	Moderate
[Hemorrhage TGLS = 4-2]		Hepatocellular Carcinoma	Metastatic (Uncertain Primary Site)
Lymph Node	Mediastinal	Congestion	Mild
	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Uterus		Hydrometra	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 184

TRT#: 4

SEX: Female

DAY ON TEST: 407

DOSE: 0.01 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-21]			
* Kidney	Renal Tubule	Hyaline Droplet	Marked
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Mammary Gland		Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-6]			

PRIMARY CAUSE OF DEATH

- Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 185

TRT#: 4

SEX: Female

DAY ON TEST: 541

DOSE: 0.01 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Clitoral Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Parathyroid Gl			
Note: PARATHYROID GLAND PRESENT ON SLIDE 3.			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Uterus		Hydrometra	Moderate
[Hydrometra TGLS = 2-7]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 186

TRT#: 4

SEX: Female

DAY ON TEST: 647

DOSE: 0.01 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-81915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7]			
* Kidney	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Minimal
* Liver	Kupffer Cell	Leukemia Mononuclear	
	Hepatocyte	Pigmentation	Moderate
		Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 3-6]			
[Vacuolization Cytoplasmic TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC IS ALSO PRESENT ON SLIDE 2.			
[Leukemia Mononuclear TGLS = 6-22]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Mild
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 186

TRT#: 4

SEX: Female

DAY ON TEST: 647

DOSE: 0.01 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-81915

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FIBROADENOMA IS ON SLIDE 8 WITH REGULAR MAMMARY GLAND SECTION.

* Skin Keratoacanthoma

[Keratoacanthoma TGLS = 1-21]

* Spleen Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-6]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 187

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Moderate Focal, Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 6-10]			
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-22]			
* Intestine Large, Colon		Lipoma	
[Lipoma TGLS = 8-25]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Mixed Cell Focus	
[Basophilic Focus TGLS = 7-6]			
[Mixed Cell Focus TGLS = 7-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Lymph Node, Mandibular		Hemorrhage	Mild
* Mammary Gland		Fibroadenoma Hyperplasia	Multiple Minimal
[Fibroadenoma TGLS = 1-21,3-23]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 187

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82993

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 188

TRT#: 4

SEX: Female

DAY ON TEST: 638

DOSE: 0.01 MG/KG/DY

DISP: Natural Death

HISTO: 97-81781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Liver		Basophilic Focus Necrosis	Focal, Mild
[Basophilic Focus TGLS = 4-6]			
[Necrosis TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Moderate
* Uterus		Hydrometra Polyp Stromal	Moderate
Note: POLYP STROMAL CONTAINS AREAS OF EXTENSIVE ANGIOECTASIS AND HEMORRHAGE.			
[Polyp Stromal TGLS = 3-21]			

PRIMARY CAUSE OF DEATH

- Uterus Polyp Stromal

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 188

TRT#: 4

SEX: Female

DAY ON TEST: 638

DOSE: 0.01 MG/KG/DY

DISP: Natural Death

HISTO: 97-81781

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 189

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Mild
	Renal Tubule	Nephropathy	Minimal
* Liver		Pigmentation	Minimal
		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Basophilic Focus TGLS = 4-6]		
	[Hepatodiaphragmatic Nodule TGLS = 3-22]		
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Lymph Node Mediastinal is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 2-21]		
	[Hyperplasia TGLS = 1-8]		
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
	[Angiectasis TGLS = 5-1]		
* Spleen		Pigmentation	Moderate
* Thyroid Gland	Follicle	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 189

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82994

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 190

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Bone	Cranium	Osteopetrosis	Minimal
	Femur	Osteopetrosis	Mild
	[Osteopetrosis TGLS = 8-22]		
* Brain		Compression	Mild
	[Compression TGLS = 6-1]		
* Clitoral Gland		Cyst	Moderate
	[Cyst TGLS = 1-8]		
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 5-6]		
	[Clear Cell Focus TGLS = 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
	[Fibroadenoma TGLS = 9-23]		
	[Hyperplasia TGLS = 3-8,4-21]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 190	TRT#: 4	SEX: Female	DAY ON TEST: 730
	DOSE: 0.01 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82995

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 7-1]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 191

TRT#: 4

SEX: Female

DAY ON TEST: 725

DOSE: 0.01 MG/KG/DY

DISP: Natural Death

HISTO: 98-82996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Clitoral Gland	Bilateral	Adenoma	
[Adenoma TGLS = 2-8]			
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Congestion	Moderate
[Congestion TGLS = 4-2]			
Lymph Node	Mediastinal	Pigmentation	Moderate
[Pigmentation TGLS = 5-3]			
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Spleen		Pigmentation	Moderate
* Uterus		Hydrometra	Moderate
[Hydrometra TGLS = 7-7]			

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 192

TRT#: 4

DOSE: 0.01 MG/KG/DY

SEX: Female

DISP: Natural Death

DAY ON TEST: 631

HISTO: 97-81782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Islets, Pancreatic | * Kidney | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

AUTO PRECLUDES DIAG.

- * Intestine Small, Jejunum

OBSERVATIONS

- | | | | |
|--|----------------|----------------------------------|------------------|
| * Brain | | Compression | Moderate |
| [Compression TGLS = 5-1] | | | |
| * Liver | | Basophilic Focus | |
| | | Hepatodiaphragmatic Nodule | |
| Note: BASOPHILIC FOCI ALSO PRESENT ON SLIDE 6. | | | |
| [Basophilic Focus TGLS = 7-22] | | | |
| [Hepatodiaphragmatic Nodule TGLS = 3-21] | | | |
| * Lung | | Hemorrhage | Moderate |
| | Alveolar Epith | Hyperplasia | Moderate |
| | | Infiltration Cellular | Histiocyte, Mild |
| [Hemorrhage TGLS = 4-2] | | | |
| Lymph Node | | | |
| Note: Lymph Node, Mediastinal is missing. | | | |
| * Mammary Gland | | Hyperplasia | Marked |
| [Hyperplasia TGLS = 1-8] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 6-1] | | | |
| * Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 192

TRT#: 4

SEX: Female

DAY ON TEST: 631

DOSE: 0.01 MG/KG/DY

DISP: Natural Death

HISTO: 97-81782

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 193

TRT#: 4

SEX: Female

DAY ON TEST: 613

DOSE: 0.01 MG/KG/DY

DISP: Dosing Accident

HISTO: 97-81363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Esophagus		Inflammation	Chronic, Moderate
* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
	[Hepatodiaphragmatic Nodule TGLS = 2-22]		
	[Mixed Cell Focus TGLS = 2-22]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Mammary Gland		Hyperplasia	Mild
* Skin		Hemorrhage	Moderate
		Inflammation	Chronic, Moderate
	[Hemorrhage TGLS = 1-21]		
	[Inflammation TGLS = 1-21]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 194

TRT#: 4

SEX: Female

DAY ON TEST: 636

DOSE: 0.01 MG/KG/DY

DISP: Dosing Accident

HISTO: 98-81916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Mixed Cell, Minimal
		Mixed Cell Focus	
* Lung		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Mild
[Hemorrhage TGLS = 2-2]			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Moderate
* Mammary Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 195

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Clitoral Gland		Adenoma	
		Cyst	Marked
			[Adenoma TGLS = 3-8]
			[Cyst TGLS = 3-8]
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
			[Basophilic Focus TGLS = 5-6]
			[Clear Cell Focus TGLS = 5-6]
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
		Hyperplasia	Moderate
Note: CARCINOMA IS WITH REGULAR MAMMARY GLAND SECTION ON SLIDE 8; APPEARS TO IN AN EARLY STAGE.			
			[Fibroadenoma TGLS = 1-21,2-22,7-24]
Mesentery	Fat	Necrosis	Marked
			[Necrosis TGLS = 4-23]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 195	TRT#: 4	SEX: Female	DAY ON TEST: 730
	DOSE: 0.01 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82997

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Mild
* Thyroid Gland		Ultimobranchial Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 196

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-8]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
	Pancreatic	Pigmentation	Moderate
Note: Lymph Node, Mediastinal is missing.			
[Hyperplasia TGLS = 5-7]			
[Pigmentation TGLS = 5-7]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 3-21]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 196

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82998

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 7-1]

* Spleen

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Mild

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 197

TRT#: 4

SEX: Female

DAY ON TEST: 328

DOSE: 0.01 MG/KG/DY

DISP: Natural Death

HISTO: 97-78801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- Lymph Node
Note: Lymph Node, Mediastinal is normal.
- * Ovary
[Cyst TGLS = 1-7]
- * Spleen
- * Uterus
[Polyp Stromal TGLS = 2-21]

- Cyst Moderate
- Hematopoietic Cell Proliferation Mild
- Pigmentation Moderate
- Polyp Stromal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 198

TRT#: 4

SEX: Female

DAY ON TEST: 519

DOSE: 0.01 MG/KG/DY

DISP: Dosing Accident

HISTO: 97-80064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum * Intestine Small, Jejunum

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Congestion	Moderate
[Congestion TGLS = 2-2]			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Pigmentation	Moderate
* Thymus		Hemorrhage	Moderate

Note: MODERATE CONGESTION; NOT CODED.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 199

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.01 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82999

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Brain		Compression	Mild
		Hydrocephalus	Mild
[Compression TGLS = 3-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
[Pigmentation TGLS = 5-5]			
* Liver		Basophilic Focus	
		Infiltration Cellular	Mixed Cell, Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6]			
[Mixed Cell Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 6-21]			
[Hyperplasia TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 199	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 0.01 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82999

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 4-1]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	-
------------------------	---

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 200

TRT#: 4

SEX: Female

DAY ON TEST: 605

DOSE: 0.01 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-81117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone [Osteopetrosis TGLS = 3-21]	Cranium	Osteopetrosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung [Infiltration Cellular TGLS = 2-2]		Leukemia Mononuclear	Histiocyte, Minimal
Lymph Node Note: Lymph Node, Mediastinal is missing.		Infiltration Cellular	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland [Angiectasis TGLS = 4-1]	Pars Distalis Pars Distalis	Angiectasis	Moderate
		Hyperplasia	Focal, Moderate
* Spleen [Leukemia Mononuclear TGLS = 1-6]		Leukemia Mononuclear	
* Thyroid Gland		Ultimobranchial Cyst	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 201

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain		Compression	Mild
		Hydrocephalus	Mild
[Compression TGLS = 9-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 7-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
Mesentery		Accessory Spleen	
	Fat	Necrosis	Moderate
[Accessory Spleen TGLS = 6-23]			
[Necrosis TGLS = 4-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 201	TRT#: 5	SEX: Female	DAY ON TEST: 731
	DOSE: 0.033 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82936

ORGAN AND ACCOUNTABLE SITE STATUS

Tongue [Squamous Cell Papilloma TGLS = 8-24]	Squamous Cell Papilloma	
* Uterus [Inflammation TGLS = 3-7]	Inflammation	Chronic, Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 202

TRT#: 5

SEX: Female

DAY ON TEST: 675

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hypertrophy	Focal, Mild
* Bone	Cranium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Mild
	[Osteopetrosis TGLS = 10-22]		
	[Osteopetrosis TGLS = 9-9]		
* Bone Marrow		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-7]		
* Clitoral Gland		Adenoma	
	[Adenoma TGLS = 10-22]		
* Heart		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-22]		
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
	Kupffer Cell	Pigmentation	Moderate
	[Basophilic Focus TGLS = 7-6]		
	[Leukemia Mononuclear TGLS = 7-6]		
	[Mixed Cell Focus TGLS = 7-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 202

TRT#: 5

SEX: Female

DAY ON TEST: 675

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82937

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreatic	Leukemia Mononuclear	
Pancreatic	Pigmentation	Mild
[Leukemia Mononuclear TGLS = 13-23]		
[Leukemia Mononuclear TGLS = 4-7]		
* Lymph Node, Mandibular	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]		
* Mammary Gland	Fibroadenoma Hyperplasia	Marked
Note: FIBROADENOMA ON SLIDE 21 IS HEAVILY INFILTRATED WITH LEUKEMIA MONUC.		
[Fibroadenoma TGLS = 2-21]		
[Hyperplasia TGLS = 1-8]		
* Pituitary Gland	Leukemia Mononuclear	
Note: AGGREGATE OF HEMOSIDERIN-CONTAINING MACROPHAGES; NOT TABULATED.		
[Leukemia Mononuclear TGLS = 11-1]		
* Spleen	Leukemia Mononuclear Pigmentation	Mild
[Leukemia Mononuclear TGLS = 5-6]		
* Stomach, Glandular	Leukemia Mononuclear	
* Thymus	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]		
* Thyroid Gland	C Cell Adenoma	
* Urinary Bladder	Leukemia Mononuclear	
* Uterus	Leukemia Mononuclear Polyp Stromal	
[Leukemia Mononuclear TGLS = 3-7]		
[Polyp Stromal TGLS = 3-7]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 203

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Clitoral Gland | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|---------------|-----------------------|---------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-8] | | | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-8] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Compression | Minimal |
| [Compression TGLS = 16-1] | | | |
| * Kidney | Renal Tubule | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 16-1] | | Pigmentation | Minimal |
| * Liver | | Basophilic Focus | |
| [Basophilic Focus TGLS = 9-6] | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 9-6,10-6] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| Lymph Node | Deep Cervical | Leukemia Mononuclear | |
| | Iliac | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | | Leukemia Mononuclear | |
| | Renal | Pigmentation | Moderate |
| [Leukemia Mononuclear TGLS = 7-25] | | | |
| [Leukemia Mononuclear TGLS = 8-26] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 203

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82938

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 13-27]

[Leukemia Mononuclear TGLS = 14-28]

[Leukemia Mononuclear TGLS = 11-3]

[Pigmentation TGLS = 8-26]

* Lymph Node, Mandibular

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-8]

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 12-7]

* Mammary Gland

Adenoma

Carcinoma

Fibroadenoma

Hyperplasia

Multiple

Moderate

Note: THE FIBROUS PORTION OF THE FIBROADENOMA ON SLIDE 22 APPEARS TO BE UNDERGOING OSSEOUS TRANSFORMATION.

Note: ADENOMA IS ON SLIDE 22.

[Adenoma TGLS = 5-23]

[Carcinoma TGLS = 5-23]

[Fibroadenoma TGLS = 3-21,4-22,6-24]

[Hyperplasia TGLS = 1-8]

* Ovary

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-21,4-22,6-24]

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 15-1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 17-6]

* Thyroid Gland

C Cell

Hyperplasia

Mild

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 12-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 204

TRT#: 5

SEX: Female

DAY ON TEST: 591

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-81070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	Vagina

OBSERVATIONS

* Brain		Compression	Moderate
		Hydrocephalus	Moderate
[Compression TGLS = 4-1]			
[Hydrocephalus TGLS = 4-1]			
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
[Pigmentation TGLS = 2-5]			
* Liver		Basophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Marked
[Hyperplasia TGLS = 6-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 204

TRT#: 5

SEX: Female

DAY ON TEST: 591

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-81070

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 205

TRT#: 5

SEX: Female

DAY ON TEST: 654

DOSE: 0.033 MG/KG/DY

DISP: Natural Death

HISTO: 98-81917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Chronic, Marked
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Basophilic Focus	
		Cytomegaly	Mild
		Hematopoietic Cell Proliferation	Minimal
		Hemorrhage	Marked
		Necrosis	Focal, Moderate
[Basophilic Focus TGLS = 5-6]			
[Hemorrhage TGLS = 5-6]			
[Necrosis TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 8-2]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Moderate
	Pancreatic	Pigmentation	Mild
[Hemorrhage TGLS = 7-23]			
[Pigmentation TGLS = 7-23]			
[Pigmentation TGLS = 10-7]			
* Lymph Node, Mesenteric		Hemorrhage	Marked
[Hemorrhage TGLS = 6-5]			
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 205	TRT#: 5	SEX: Female	DAY ON TEST: 654
	DOSE: 0.033 MG/KG/DY	DISP: Natural Death	HISTO: 98-81917

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-21]		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 3-22]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate

Note: MILD ATROPHY OF LYMPHOID FOLLICLES; NOT TABULATED.

PRIMARY CAUSE OF DEATH	- Skin Subcut Tiss Fibroma
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 206

TRT#: 5

SEX: Female

DAY ON TEST: 647

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-81918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Transit Epithe	Hyperplasia	Mild
		Leukemia Mononuclear	
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
[Leukemia Mononuclear TGLS = 6-5]			
* Liver	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 1-6]			
[Vacuolization Cytoplasmic TGLS = 1-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 206	TRT#: 5	SEX: Female	DAY ON TEST: 647
	DOSE: 0.033 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 98-81918

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Moderate
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	Moderate
		Leukemia Mononuclear	
	[Cyst TGLS = 4-1]		
	[Leukemia Mononuclear TGLS = 4-1]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 207

TRT#: 5

SEX: Female

DAY ON TEST: 647

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-81919

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Hyperplasia	Diffuse, Mild
* Bone Marrow		Hyperplasia	Moderate
* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Mixed Cell, Moderate
		[Basophilic Focus TGLS = 5-6]	
		[Infiltration Cellular TGLS = 4-6]	
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Mammary Gland		Hyperplasia	Moderate
		[Hyperplasia TGLS = 1-8]	
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Skin	Subcut Tiss	Fibroma	
		[Fibroma TGLS = 2-21]	
* Spleen		Hematopoietic Cell Proliferation	Marked
		[Hematopoietic Cell Proliferation TGLS = 3-6]	

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 207

TRT#: 5

SEX: Female

DAY ON TEST: 647

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-81919

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 208

TRT#: 5

SEX: Female

DAY ON TEST: 730

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Islets, Pancreatic		Adenoma	
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Infiltration Cellular	Mixed Cell, Minimal
[Basophilic Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Moderate
[Angiectasis TGLS = 3-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 209

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy	Fatty, Moderate Focal, Mild
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-10]			
* Bone	Cranium Femur	Osteopetrosis Osteopetrosis	Moderate Moderate
[Osteopetrosis TGLS = 16-9]			
[Osteopetrosis TGLS = 17-25]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Mild
[Compression TGLS = 18-1]			
* Heart		Thrombosis	Marked
[Thrombosis TGLS = 14-5]			
* Intestine Large, Colon		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-24]			
* Intestine Small, Jejunum		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 12-24]			
* Kidney	Renal Tubule	Leukemia Mononuclear Nephropathy Pigmentation	Minimal Mild
[Leukemia Mononuclear TGLS = 11-5]			
[Pigmentation TGLS = 11-5]			
* Liver	Bile Duct	Degeneration Hyperplasia Leukemia Mononuclear	Cystic, Mild Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 209

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82539

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Vacuolization Cytoplasmic	Marked
	[Leukemia Mononuclear TGLS = 3-6]		
	[Vacuolization Cytoplasmic TGLS = 3-6]		
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular	Mild Histiocyte, Minimal
	[Hyperplasia TGLS = 15-2-1]		
Lymph Node	Mediastinal Pancreatic Mediastinal	Leukemia Mononuclear Leukemia Mononuclear Pigmentation	Moderate
	[Leukemia Mononuclear TGLS = 13-3]		
	[Leukemia Mononuclear TGLS = 8-7]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-8]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-7]		
* Mammary Gland		Fibroadenoma Hyperplasia	Marked
	[Fibroadenoma TGLS = 6-23]		
	[Hyperplasia TGLS = 5-8]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 19-1]		
* Spleen		Fibrosis Leukemia Mononuclear	Minimal
	[Fibrosis TGLS = 20-6-1]		
	[Leukemia Mononuclear TGLS = 9-6]		
* Stomach, Forestomach		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-10]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 20-6-1]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 209

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82539

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Hyperplasia

Cystic, Moderate

[Hyperplasia TGLS = 7-7]

PRIMARY CAUSE OF DEATH

-

Animal Note: TGLs 1 = No corresponding lesion. TGLs 2 = No corresponding lesion.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 210

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
Vagina			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Carcinoma	
		Inflammation	Chronic, Marked
Note: CLITORAL GL CARCINOMA IS ALSO PRESENT ON SLIDE 8.			
[Carcinoma TGLS = 1-21]			
[Inflammation TGLS = 2-22]			
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 2-22]			
* Kidney	Renal Tubule	Dilatation	Mild
	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Minimal
		Hematopoietic Cell Proliferation	Mild
		Hepatodiaphragmatic Nodule	
		Necrosis	Focal, Moderate
[Basophilic Focus TGLS = 4-6]			
[Hepatodiaphragmatic Nodule TGLS = 5-23]			
[Necrosis TGLS = 4-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 210	TRT#: 5	SEX: Female	DAY ON TEST: 729
	DOSE: 0.033 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82940

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 3-8]			
[Hyperplasia TGLS = 3-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 8-25]			
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
[Angiectasis TGLS = 9-1]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Edema	Moderate
* Uterus		Hyperplasia	Cystic, Marked
		Sarcoma Stromal	
[Hyperplasia TGLS = 6-7-1]			
[Sarcoma Stromal TGLS = 7-24,11-7-1]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 211

TRT#: 5

SEX: Female

DAY ON TEST: 730

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain		Compression	Minimal
[Compression TGLS = 5-1]			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6]			
[Mixed Cell Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLS = 8-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 212

TRT#: 5

SEX: Female

DAY ON TEST: 647

DOSE: 0.033 MG/KG/DY

DISP: Dosing Accident

HISTO: 98-81920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Hyperplasia	Mild
* Esophagus		Perforation	
Note: TGL 5 CONSISTS OF LESIONS RELATED TO ESOPHAGEAL PERFORATION (INFLAMMATION AND HEMORRHAGE) ON SLIDE 3; NOT TABULATED.			
[Perforation TGLS = 4-22]			
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Infiltration Cellular	Mixed Cell, Mild
[Basophilic Focus TGLS = 4-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 3-21]			
* Nose		Foreign Body	
	Respirat Epith	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 213

TRT#: 5

SEX: Female

DAY ON TEST: 730

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Focal, Minimal
* Bone	Cranium	Osteopetrosis	Marked
	Femur	Osteopetrosis	Marked
	[Osteopetrosis TGLS = 6-21]		
	[Osteopetrosis TGLS = 5-9]		
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Adenoma	
	[Adenoma TGLS = 1-8]		
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Minimal
	[Basophilic Focus TGLS = 4-6]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
	Lymph Node	Pigmentation	Mild
* Mammary Gland	Mediastinal	Hyperplasia	Mild
	[Hyperplasia TGLS = 2-8]		
* Pancreas		Atrophy	Mild
* Parathyroid GI			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 213	TRT#: 5	SEX: Female	DAY ON TEST: 730
	DOSE: 0.033 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82942

ORGAN AND ACCOUNTABLE SITE STATUS

Note: PARATHYROID GLAND PRESENT ON SLIDE 3.

* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Intermed	Cyst	Moderate
	[Cyst TGLS = 7-1]		
	[Cyst TGLS = 7-1]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 214

TRT#: 5

SEX: Female

DAY ON TEST: 572

DOSE: 0.033 MG/KG/DY

DISP: Natural Death

HISTO: 97-80520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---|---------------|----------------------------|---------------------|
| * Adrenal Medulla | | Pheochromocytoma Malignant | |
| [Pheochromocytoma Malignant TGLS = 2-22] | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Liver | | Basophilic Focus | |
| | Hepatocyte | Clear Cell Focus | |
| | | Cytomegaly | Minimal |
| | | Eosinophilic Focus | |
| | | Necrosis | Focal, Minimal |
| [Basophilic Focus TGLS = 4-6] | | | |
| [Clear Cell Focus TGLS = 4-6] | | | |
| [Eosinophilic Focus TGLS = 4-6,9-25] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Lym Node Mesen | | | |
| Note: MILD NECROSIS AND MODERATE HISTIOCYTIC CELLULAR INFILTRATE IN MESENTERIC LYMPH NODE; NOT TABULATED. | | | |
| Lymph Node | | | |
| Note: Lymph Node, Mediastinal is missing. | | | |
| * Mammary Gland | | Fibroadenoma | |
| [Fibroadenoma TGLS = 1-21] | | | |
| Mesentery | Fat | Necrosis | Moderate |
| [Necrosis TGLS = 3-23] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 214

TRT#: 5

SEX: Female

DAY ON TEST: 572

DOSE: 0.033 MG/KG/DY

DISP: Natural Death

HISTO: 97-80520

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-1]

* Spleen

Hematopoietic Cell Proliferation
Pigmentation

Minimal
Mild

* Thymus

Note: TGL 7 IS MODERATE THYMIC CONGESTION; NOT AVAILABLE ON TDMS.

PRIMARY CAUSE OF DEATH

- Adrenal Medulla Pheochromocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 215

TRT#: 5

SEX: Female

DAY ON TEST: 715

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone	Cranium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Mild
	[Osteopetrosis TGLS = 9-23]		
* Brain		Compression	Mild
		Hydrocephalus	Mild
	[Compression TGLS = 10-1]		
* Islets, Pancreatic		Adenoma	
	[Adenoma TGLS = 10-1]		
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 6-6]		
	[Mixed Cell Focus TGLS = 6-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Moderate
	[Hemorrhage TGLS = 7-3]		
	[Pigmentation TGLS = 7-3]		
* Lymph Node, Mandibular		Pigmentation	Mild
	[Pigmentation TGLS = 2-8]		
* Mammary Gland		Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 215	TRT#: 5	SEX: Female	DAY ON TEST: 715
	DOSE: 0.033 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 98-82943

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 3-8,12-25]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-22]			
* Pancreas		Atrophy	Moderate
[Atrophy TGLS = 4-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 11-1]			
* Skin		Hyperkeratosis	Moderate
[Hyperkeratosis TGLS = 1-21]			
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 8-24]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 216

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 4-1]			
* Clitoral Gland		Cyst	Moderate
		Hyperplasia	Mild
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Minimal
[Basophilic Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 217

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Focal, Minimal
* Brain		Compression	Mild
* Clitoral Gland		Cyst	Marked
		Inflammation	Chronic, Mild
[Cyst TGLS = 2-8]			
[Inflammation TGLS = 2-8]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Mixed Cell, Mild
[Basophilic Focus TGLS = 4-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Moderate
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mandibular		Hemorrhage	Minimal
		Hyperplasia	Lymphoid, Moderate
		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 3-21,5-22]			
[Hyperplasia TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 217

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82945

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

* Spleen

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 218

TRT#: 5

SEX: Female

DAY ON TEST: 688

DOSE: 0.033 MG/KG/DY

DISP: Natural Death

HISTO: 98-82946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 5-1]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-1]			
* Lung		Congestion	Moderate
[Congestion TGLS = 3-2]		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 3-2]			
Lymph Node	Mediastinal	Congestion	Minimal
	Mediastinal	Pigmentation	Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 219

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82947

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
[Infiltration Cellular TGLS = 1-2]		Infiltration Cellular	Histiocyte, Moderate
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 4-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 220

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Brain		Compression	Moderate
		Hydrocephalus	Mild
[Compression TGLS = 8-1]			
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
		Basophilic Focus	
* Liver			
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Marked
[Hemorrhage TGLS = 6-3]			
[Pigmentation TGLS = 6-3]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 4-8]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 220

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82948

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Inflammation

Chronic, Marked

[Inflammation TGLS = 2-23]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 221

TRT#: 5

SEX: Female

DAY ON TEST: 571

DOSE: 0.033 MG/KG/DY

DISP: Natural Death

HISTO: 97-80521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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INSUFFICIENT TISSUE

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Brain		Compression	Moderate
[Compression TGLS = 4-1]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]		Hyperplasia	Marked
[Hyperplasia TGLS = 2-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 7-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 221	TRT#: 5	SEX: Female	DAY ON TEST: 571
	DOSE: 0.033 MG/KG/DY	DISP: Natural Death	HISTO: 97-80521

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Cyst	Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 222

TRT#: 5

SEX: Female

DAY ON TEST: 616

DOSE: 0.033 MG/KG/DY

DISP: Natural Death

HISTO: 97-81364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum * Intestine Small, Jejunum

OBSERVATIONS

* Bone	Cranium	Osteopetrosis	Marked
	Femur	Osteopetrosis	Marked
[Osteopetrosis TGLS = 2-9]			
[Osteopetrosis TGLS = 3-21]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Ovary		Cyst	Moderate
[Cyst TGLS = 1-7]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 223

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hyperplasia	Focal, Marked
* Bone	Cranium	Osteopetrosis	Moderate
[Osteopetrosis TGLS = 8-25]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 5-6]			
[Hepatodiaphragmatic Nodule TGLS = 6-23]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 7-24]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 223

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82949

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 3-22]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 224

TRT#: 5

SEX: Female

DAY ON TEST: 671

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Renal Tubule	Leukemia Mononuclear Pigmentation	Moderate
	[Leukemia Mononuclear TGLS = 3-5]		
	[Pigmentation TGLS = 3-5]		
* Liver		Basophilic Focus Eosinophilic Focus Leukemia Mononuclear	
	[Basophilic Focus TGLS = 4-6]		
	[Eosinophilic Focus TGLS = 4-6]		
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung	Mediastinal	Infiltration Cellular Pigmentation	Histiocyte, Minimal Minimal
Lymph Node		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hyperplasia	Mild
* Mammary Gland		Cyst	Moderate
* Ovary			
	[Cyst TGLS = 2-7]		
* Pituitary Gland	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 224

TRT#: 5

SEX: Female

DAY ON TEST: 671

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82950

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Mild

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-6]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 225

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Inflammation	Granulomatous, Mild
* Clitoral Gland		Hyperplasia	Mild
* Kidney	Renal Tubule	Hyaline Droplet	Mild
	Renal Tubule	Pigmentation	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 4-6]			
[Clear Cell Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21,3-22]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 226

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Islets Panc			
Note: MILD ISLET HYPERPLASIA; NOT TABULATED ON TDMS.			
* Kidney	Renal Tubule	Hyaline Droplet Nephropathy	Minimal Minimal
* Liver		Basophilic Focus Clear Cell Focus	
		[Basophilic Focus TGLS = 5-6] [Clear Cell Focus TGLS = 5-6]	
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma Hyperplasia	Marked
		[Fibroadenoma TGLS = 1-21] [Hyperplasia TGLS = 3-8]	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 4-23]	
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
		[Angiectasis TGLS = 6-1]	
* Skin	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 226	TRT#: 5	SEX: Female	DAY ON TEST: 731
	DOSE: 0.033 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82952

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 2-22]

* Spleen	Pigmentation	Mild
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PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 227

TRT#: 5
DOSE: 0.033 MG/KG/DY

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 98-82953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Brain		Compression	Moderate
[Compression TGLS = 4-1]			
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 3-8]			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
[Leukemia Mononuclear TGLS = 3-8]			
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 2-6]			
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 227	TRT#: 5	SEX: Female	DAY ON TEST: 731
	DOSE: 0.033 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82953

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 6-21] [Hyperplasia TGLS = 1-8]		Hyperplasia	Moderate
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Spleen [Leukemia Mononuclear TGLS = 5-1]		Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 228

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone	Cranium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Moderate
	[Osteopetrosis TGLS = 8-22]		
* Clitoral Gland		Adenoma	
	[Adenoma TGLS = 2-8]		
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 6-6]		
	[Leukemia Mononuclear TGLS = 6-6]		
	[Mixed Cell Focus TGLS = 6-6]		
* Lung		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLS = 7-2]		
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 1-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 228	TRT#: 5	SEX: Female	DAY ON TEST: 731
	DOSE: 0.033 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82954

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLS = 4-21]	Fat	Necrosis	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
[Angiectasis TGLS = 9-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-1]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 229

TRT#: 5

SEX: Female

DAY ON TEST: 562

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-24]			
* Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	Kupffer Cell	Pigmentation	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Hepatodiaphragmatic Nodule TGLS = 9-25]			
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Mild
[Leukemia Mononuclear TGLS = 7-23]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-22]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-22]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 8-1]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 229

TRT#: 5

SEX: Female

DAY ON TEST: 562

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80439

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-6]	
* Stomach, Glandular	Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 6-22]	
* Thymus	Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 6-22]	
* Uterus	Polyp Stromal
[Polyp Stromal TGLS = 6-22]	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Clitoral Gland Carcinoma; Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 230

TRT#: 5

SEX: Female

DAY ON TEST: 518

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 6-1]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Hepatodiaphragmatic Nodule TGLS = 4-22]		Hepatodiaphragmatic Nodule	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			
* Nose	Olfactory Epi	Degeneration	Moderate
* Ovary		Cyst	Moderate
[Cyst TGLS = 1-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Pigmentation	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 231

TRT#: 5

SEX: Female

DAY ON TEST: 591

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-81071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Diffuse, Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Hematopoietic Cell Proliferation	Moderate
[Angiectasis TGLS = 6-22]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Mild
[Hemorrhage TGLS = 5-3]			
[Pigmentation TGLS = 5-3]			
* Lymph Node, Mesenteric		Hemorrhage	Moderate
[Hemorrhage TGLS = 4-5]			
* Mammary Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Cyst	Moderate
Skeletal Muscle		Rhabdomyosarcoma	
[Rhabdomyosarcoma TGLS = 2-21]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 1-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 231

TRT#: 5

SEX: Female

DAY ON TEST: 591

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-81071

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skeletal Muscle Rhabdomyosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 232

TRT#: 5

SEX: Female

DAY ON TEST: 730

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		[Basophilic Focus TGLS = 5-6]	
		[Clear Cell Focus TGLS = 5-6]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Mild
		[Hyperplasia TGLS = 1-8]	
Mesentery	Fat	Necrosis	Marked
		[Necrosis TGLS = 4-22]	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 6-1]	
* Skin		Keratoacanthoma	
		[Keratoacanthoma TGLS = 2-21]	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Uterus		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 232

TRT#: 5

SEX: Female

DAY ON TEST: 730

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82955

ORGAN AND ACCOUNTABLE SITE STATUS

Polyp Stromal

[Polyp Stromal TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 233

TRT#: 5

SEX: Female

DAY ON TEST: 617

DOSE: 0.033 MG/KG/DY

DISP: Natural Death

HISTO: 97-81365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone	Cranium	Osteopetrosis	Marked
	Femur	Osteopetrosis	Marked
	[Osteopetrosis TGLS = 7-9]		
	[Osteopetrosis TGLS = 8-22]		
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hemorrhage	Moderate
	[Basophilic Focus TGLS = 4-6]		
	[Clear Cell Focus TGLS = 4-6]		
	[Hemorrhage TGLS = 5-21]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLS = 6-2]		
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 1-8]		
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 233

TRT#: 5

SEX: Female

DAY ON TEST: 617

DOSE: 0.033 MG/KG/DY

DISP: Natural Death

HISTO: 97-81365

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 3-7]

PRIMARY CAUSE OF DEATH

- Liver Hemorrhage

CONTRIBUTORY CAUSE OF DEATH

- Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 234

TRT#: 5

SEX: Female

DAY ON TEST: 730

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Pancreas
- * Stomach, Forestomach
- * Urinary Bladder
- * Bone
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Parathyroid Gland
- * Stomach, Glandular
- * Uterus
- * Esophagus
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Salivary Glands
- * Thymus
- * Heart
- * Intestine Small, Duodenum
- * Nose
- * Skin
- * Trachea

OBSERVATIONS

- * Adrenal Cortex
- * Bone Marrow
- * Brain
- * Clitoral Gland
- Note: TGL 6-8 IS MODERATE ACINAR CELL ATROPHY; NOT TABULATED ON TDMS.
[Adenoma TGLS = 5-8]
- * Kidney
- * Liver
- Note: LEUKEMIA MONUC IS PRESENT ON SLIDES 6 AND 21.
[Basophilic Focus TGLS = 3-6]
[Leukemia Mononuclear TGLS = 2-21]
- * Lung
- Lymph Node
- * Lymph Node, Mandibular
- * Lymph Node, Mesenteric
- * Mammary Gland
- Leukemia Mononuclear
- Leukemia Mononuclear
- Hydrocephalus
- Adenoma
- Inflammation
- Mild
- Chronic, Moderate
- Hyaline Droplet
- Leukemia Mononuclear
- Pigmentation
- Basophilic Focus
- Leukemia Mononuclear
- Minimal
- Mild
- Infiltration Cellular
- Leukemia Mononuclear
- Histiocyte, Minimal
- Leukemia Mononuclear
- Pigmentation
- Mild
- Leukemia Mononuclear
- Leukemia Mononuclear
- Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 234	TRT#: 5	SEX: Female	DAY ON TEST: 730
	DOSE: 0.033 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82956

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 8-22] [Hyperplasia TGLS = 7-8]		Hyperplasia	Moderate
* Ovary [Leukemia Mononuclear TGLS = 8-22]		Leukemia Mononuclear	
* Pituitary Gland [Adenoma TGLS = 9-1]	Pars Distalis	Adenoma	
* Spleen [Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 235

TRT#: 5

SEX: Female

DAY ON TEST: 715

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Bone | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose | * Ovary |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Trachea |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--|--------------|---------------------------|-------------|
| * Adrenal Medulla | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 9-8] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Compression | Moderate |
| | | Hydrocephalus | Mild |
| | | Leukemia Mononuclear | |
| [Compression TGLS = 8-1] | | | |
| [Leukemia Mononuclear TGLS = 8-1] | | | |
| * Clitoral Gland | | Adenoma | |
| [Adenoma TGLS = 15-8] | | | |
| * Heart | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 15-8] | | | |
| * Kidney | Papilla | Fibrosis | Focal, Mild |
| | Renal Tubule | Hyaline Droplet | Moderate |
| | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| | Renal Tubule | Pigmentation | Mild |
| Note: FOCUS OF MILD FIBROSIS IN PAPILLA OF LEFT KIDNEY; NOT TABULATED. | | | |
| [Leukemia Mononuclear TGLS = 5-5] | | | |
| [Pigmentation TGLS = 5-5] | | | |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | Kupffer Cell | Pigmentation | Moderate |
| | Hepatocyte | Vacuolization Cytoplasmic | Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 235 **TRT#:** 5 **SEX:** Female **DAY ON TEST:** 715
DOSE: 0.033 MG/KG/DY **DISP:** Moribund Sacrifice **HISTO:** 98-82957

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-6]			
[Vacuolization Cytoplasmic TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Renal	Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 12-22]			
[Leukemia Mononuclear TGLS = 11-21]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-5]			
* Mammary Gland		Carcinoma	
		Hyperplasia	Marked
[Carcinoma TGLS = 16-25]			
[Hyperplasia TGLS = 1-8,14-24]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 13-23]			
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-23]			
* Pituitary Gland		Leukemia Mononuclear	
Note: PITUITARY GLAND ADENOMA IS PARTIALLY OBSCURED BY INFILTRATION OF LEUKEMIA MONUC CELLS.			
[Leukemia Mononuclear TGLS = 7-1]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Minimal
[Leukemia Mononuclear TGLS = 3-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Ulcer	Moderate
* Stomach, Glandular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 235	TRT#: 5	SEX: Female	DAY ON TEST: 715
	DOSE: 0.033 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 98-82957

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus [Leukemia Mononuclear TGLS = 6-3]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Carcinoma

Animal Note: EDEMA IN FORESTOMACH (MARKED) AND GLANDULAR STOMACH (MILD); NOT TABULATED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 236

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Focal, Mild
* Bone	Cranium	Osteopetrosis	Moderate
[Osteopetrosis TGLS = 5-22]			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver	Hepatocyte	Basophilic Focus	
		Cytomegaly	Minimal
		Eosinophilic Focus	
		Infiltration Cellular	Mixed Cell, Minimal
[Basophilic Focus TGLS = 4-6]			
[Eosinophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
Lymph Node	Pancreatic	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Pigmentation	Mild
[Hyperplasia TGLS = 3-7]			
* Lymph Node, Mesenteric		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 236	TRT#: 5	SEX: Female	DAY ON TEST: 729
	DOSE: 0.033 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82958

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Cyst TGLS = 6-1]	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 237

TRT#: 5

SEX: Female

DAY ON TEST: 532

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hypertrophy	Focal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 2-5]			
[Pigmentation TGLS = 2-5]			
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Marked
Note: EXCESSIVE HISTIOCYTIC INFILTRATE IS ACCOMPANIED BY AMORPHOUS MATERIAL WITHIN ALVEOLI SUGGESTIVE OF LIPOPROTEINOSIS			
[Infiltration Cellular TGLS = 4-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Mammary Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 237	TRT#: 5	SEX: Female	DAY ON TEST: 532
	DOSE: 0.033 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-80137

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Cyst Granulosa Cell Tumor Malignant	Moderate
[Cyst TGLS = 3-7]			
[Granulosa Cell Tumor Malignant TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
Note: CYST WITHIN PARS NERVOSA; NOT TABULATED.			
* Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
[Hematopoietic Cell Proliferation TGLS = 1-6]			
[Leukemia Mononuclear TGLS = 1-6]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 238

TRT#: 5

SEX: Female

DAY ON TEST: 444

DOSE: 0.033 MG/KG/DY

DISP: Dosing Accident

HISTO: 97-79240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Esophagus	* Lymph Node, Mandibular	* Parathyroid Gland	* Thyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
	[Hepatodiaphragmatic Nodule TGLS = 2-21]		
* Lung		Congestion	Marked
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Congestion	Mild
	Mediastinal	Pigmentation	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Pigmentation	Mild
* Uterus		Deciduoma Benign	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 239

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

INSUFFICIENT TISSUE

* Skin

OBSERVATIONS

* Clitoral Gland		Adenoma	
		Cyst	Moderate
[Adenoma TGLS = 5-8]			
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 3-22]			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 7-6]			
[Clear Cell Focus TGLS = 7-6]			
[Mixed Cell Focus TGLS = 7-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 239	TRT#: 5	SEX: Female	DAY ON TEST: 729
	DOSE: 0.033 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82959

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 6-23]			
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 240

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Hypertrophy	Focal, Minimal
* Bone	Cranium	Osteopetrosis	Mild
	Femur	Osteopetrosis	Moderate
	[Osteopetrosis TGLS = 7-24]		
* Brain		Hydrocephalus	Mild
* Clitoral Gland		Carcinoma	
	[Carcinoma TGLS = 1-21]		
* Kidney	Renal Tubule	Hyaline Droplet	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Mixed Cell, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 6-6]		
	[Eosinophilic Focus TGLS = 6-6]		
	[Hepatodiaphragmatic Nodule TGLS = 5-23]		
	[Mixed Cell Focus TGLS = 6-6]		
* Lung		Infiltration Cellular	Histiocyte, Moderate
Lymph Node	Mediastinal	Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 240	TRT#: 5	SEX: Female	DAY ON TEST: 729
	DOSE: 0.033 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82960

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-22] [Hyperplasia TGLS = 3-8]			
* Pancreas			
Note: ACCESSORY SPLEEN IN MESENTERY ADJACENT TO PANCREAS ON SLIDE 7; NOT TABULATED.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia Polyp Stromal	Cystic, Minimal
[Polyp Stromal TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 241

TRT#: 5

SEX: Female

DAY ON TEST: 730

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 3-6]			
[Clear Cell Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-21]			
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 242

TRT#: 5

SEX: Female

DAY ON TEST: 694

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Salivary Glands	* Skin	Spinal Cord
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain		Compression	Marked
		Hydrocephalus	Mild
[Compression TGLS = 5-1]			
* Kidney	Renal Tubule	Hyaline Droplet	Mild
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Minimal
		Infiltration Cellular	Mixed Cell, Moderate
[Basophilic Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 242

TRT#: 5

SEX: Female

DAY ON TEST: 694

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82962

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 243

TRT#: 5

SEX: Female

DAY ON TEST: 437

DOSE: 0.033 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia	Fatty, Mild Diffuse, Moderate
[Hyperplasia TGLS = 5-10]			
* Bone Marrow		Hyperplasia	Moderate
* Kidney	Renal Tubule	Dilatation Hydronephrosis Nephropathy	Mild Mild Moderate
Note: "NEPHROPATHY" IS PRIMARILY TUBULAR REGENERATION, POSSIBLY SECONDARY TO EARLIER NECROSIS. [Hydronephrosis TGLS = 4-5]			
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: LYMPH NODE, MEDIASTINAL IS NORMAL. Note: Lymph Node, Mediastinal is normal.			
* Mammary Gland		Hyperplasia	Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis Pars Distalis	Angiectasis Cyst	Moderate Moderate
[Angiectasis TGLS = 6-1]			
* Saliv Glands			
Note: PAROTID GLAND ATROPHIED; NOT CODED.			
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 243	TRT#: 5	SEX: Female	DAY ON TEST: 437
	DOSE: 0.033 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-79076

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Urin Bladder			
Note: URINARY BLADDER MARKEDLY DILATED (TGL 1-8); MORPHOLOGY NOT AVAILABLE ON TDMS.			
* Uterus		Hyperplasia Sarcoma Stromal	Cystic, Mild
[Sarcoma Stromal TGLS = 2-21]			

PRIMARY CAUSE OF DEATH - Uterus Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 244

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	Vagina		

OBSERVATIONS

* Adrenal Cortex		Degeneration Leukemia Mononuclear	Fatty, Mild
[Leukemia Mononuclear TGLS = 9-23]			
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule Renal Tubule	Hyaline Droplet Pigmentation	Mild Mild
* Liver	Hepatocyte	Leukemia Mononuclear Vacuolization Cytoplasmic	Marked
* Lung		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
[Leukemia Mononuclear TGLS = 8-2]			
Lymph Node	Mediastinal Mediastinal	Leukemia Mononuclear Pigmentation	Moderate
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-23]			
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Moderate Focal, Moderate
[Hyperplasia TGLS = 7-1]			
* Skin	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 244	TRT#: 5	SEX: Female	DAY ON TEST: 729
	DOSE: 0.033 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82963

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 2-21]			
* Spleen		Fibrosis Leukemia Mononuclear	Mild
[Fibrosis TGLS = 4-22]			
[Leukemia Mononuclear TGLS = 3-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia Ulcer	Mild Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 9-23]			

PRIMARY CAUSE OF DEATH

-

Animal Note: RECTUM PRESENT ON SLIDES 4 AND 7.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 245

TRT#: 5

SEX: Female

DAY ON TEST: 730

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone	Cranium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Mild
	[Osteopetrosis TGLS = 5-22]		
* Clitoral Gland		Hyperplasia	Mild
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 1-8]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 2-21]		
* Spleen		Pigmentation	Mild
* Thyroid Gland	Follicle	Cyst	Moderate
	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 246

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 6-10]			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 3-6]			
[Hepatodiaphragmatic Nodule TGLS = 4-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Congestion	Minimal
	Mediastinal	Pigmentation	Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 5-23]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-21]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 246

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82965

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 247

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Marked
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 8-25]			
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-8]			
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 1-8]			
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Mixed Cell, Minimal
[Basophilic Focus TGLS = 6-6]			
[Hepatodiaphragmatic Nodule TGLS = 4-23,5-24]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21]			
Mesentery	Fat	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 247	TRT#: 5	SEX: Female	DAY ON TEST: 729
	DOSE: 0.033 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82966

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 3-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Focal, Marked
[Adenoma TGLS = 7-1]			
[Angiectasis TGLS = 7-1]			
[Hyperplasia TGLS = 7-1]			
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 248

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Esophagus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		[Basophilic Focus TGLS = 3-6]	
		[Clear Cell Focus TGLS = 3-6]	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
	Mediastinal	Pigmentation	Minimal
		Note: HISTIOCYTIC INFILTRATE IN PANCREATIC LYMPH NODE; NOT TABULATED.	
		[Hyperplasia TGLS = 2-7]	
* Mammary Gland		Hyperplasia	Mild
		[Hyperplasia TGLS = 1-8]	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 248	TRT#: 5	SEX: Female	DAY ON TEST: 729
	DOSE: 0.033 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82967

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 249

TRT#: 5

SEX: Female

DAY ON TEST: 658

DOSE: 0.033 MG/KG/DY

DISP: Dosing Accident

HISTO: 98-81921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hypertrophy	Focal, Mild
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Moderate
[Hemorrhage TGLS = 2-2]			
[Infiltration Cellular TGLS = 2-2]			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-21]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Pigmentation	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 250

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain		Granular Cell Tumor Malignant	
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Mixed Cell, Moderate
		Mixed Cell Focus	
Note: EOSIN FOCUS IS ON SLIDE 22.			
		[Basophilic Focus TGLS = 5-6]	
		[Eosinophilic Focus TGLS = 6-22]	
		[Hepatodiaphragmatic Nodule TGLS = 6-22]	
		[Mixed Cell Focus TGLS = 5-6]	
* Lung		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
Note: SMALL FOCUS OF FIBROSIS ASSOCIATED WITH HISTIOCYTIC INFILTRATE; NOT TABULATED.			
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
		[Fibroadenoma TGLS = 1-21]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 250

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: 0.033 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82968

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-8]

* Spleen

Pigmentation

Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 7-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 251

TRT#: 6

SEX: Female

DAY ON TEST: 707

DOSE: 0.1 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-7]			
* Kidney	Renal Tubule	Hyaline Droplet	Moderate
		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 5-5]			
[Pigmentation TGLS = 5-5]			
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 251	TRT#: 6	SEX: Female	DAY ON TEST: 707
	DOSE: 0.1 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 98-82902

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Hyperplasia TGLS = 2-8]		Hyperplasia	Moderate
* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis Pars Distalis	Adenoma Cyst Leukemia Mononuclear	Moderate
* Spleen [Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 252

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82903

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Adenoma	
[Adenoma TGLS = 9-10]			
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 3-8]			
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Minimal
[Basophilic Focus TGLS = 1-6]			
[Clear Cell Focus TGLS = 1-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Minimal
	Mediastinal	Pigmentation	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
		Pigmentation	Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Ovary		Granulosa Cell Tumor Malignant	
[Granulosa Cell Tumor Malignant TGLS = 6-7]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 252	TRT#: 6	SEX: Female	DAY ON TEST: 729
	DOSE: 0.1 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82903

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-1]			
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 7-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 253

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Moderate
* Clitoral Gland		Adenoma	
* Kidney	Renal Tubule	Cytoplasmic Alteration	Mild
	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
* Liver	Renal Tubule	Pigmentation	Minimal
		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		Mixed Cell Focus	
		[Basophilic Focus TGLS = 2-6]	
		[Hepatodiaphragmatic Nodule TGLS = 3-21]	
		[Mixed Cell Focus TGLS = 2-6]	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Moderate
		[Hyperplasia TGLS = 1-8]	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Angiectasis	Marked
		[Adenoma TGLS = 4-1]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 253

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82904

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 4-1]

* Spleen

Leukemia Mononuclear
Pigmentation

Mild

[Leukemia Mononuclear TGLS = 4-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 254

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82905

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Minimal
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Nephropathy	Minimal
* Liver		Pigmentation	Minimal
	Hepatocyte	Basophilic Focus	
		Cytomegaly	Minimal
		Infiltration Cellular	Mixed Cell, Mild
	[Basophilic Focus TGLS = 3-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 1-21]		
* Nose		Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Uterus		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 254

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82905

ORGAN AND ACCOUNTABLE SITE STATUS

Sarcoma Stromal

Note: SARC STROMAL ALSO PRESENT ON SLIDE 7.

[Sarcoma Stromal TGLS = 2-22]

PRIMARY CAUSE OF DEATH

-

Animal Note: COLON AND JEJUNUM ARE SWITCHED ON SLIDES 3 AND 4.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 255

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82906

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Bone	Femur	Osteopetrosis	Moderate
* Bone Marrow		Hyperplasia	Mild
* Brain		Compression	Marked
[Compression TGLS = 8-1]			
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-8]			
* Kidney	Renal Tubule	Hyaline Droplet	Moderate
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver	Hepatocyte	Basophilic Focus	
		Cytomegaly	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 3-21]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 255	TRT#: 6	SEX: Female	DAY ON TEST: 729
	DOSE: 0.1 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82906

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 7-1]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 4-22]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 256

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82907

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	[Basophilic Focus TGLS = 3-6]		
	[Eosinophilic Focus TGLS = 3-6]		
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
	[Fibroadenoma TGLS = 2-21]		
	[Hyperplasia TGLS = 1-8]		
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	[Cyst TGLS = 4-1]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 257

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-8]			
* Kidney	Renal Tubule	Hyaline Droplet	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Minimal
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-6]			
[Hepatodiaphragmatic Nodule TGLS = 6-22,7-23]			
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-21]			
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 257	TRT#: 6	SEX: Female	DAY ON TEST: 729
	DOSE: 0.1 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82908

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
	[Hyperplasia TGLS = 9-1]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 258

TRT#: 6

SEX: Female

DAY ON TEST: 718

DOSE: 0.1 MG/KG/DY

DISP: Natural Death

HISTO: 98-82909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland	Bilateral	Adenoma	
Note: ADENOMAS (BILATERAL) ARE ALSO ON SLIDE 8.			
[Adenoma TGLS = 2-21]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Necrosis	Focal, Minimal
[Basophilic Focus TGLS = 4-6]			
* Lung		Congestion	Moderate
		Infiltration Cellular	Histiocyte, Minimal
[Congestion TGLS = 5-2]			
Lymph Node	Mediastinal	Congestion	Mild
	Mediastinal	Pigmentation	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 3-22]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 258

TRT#: 6

SEX: Female

DAY ON TEST: 718

DOSE: 0.1 MG/KG/DY

DISP: Natural Death

HISTO: 98-82909

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 259

TRT#: 6

SEX: Female

DAY ON TEST: 664

DOSE: 0.1 MG/KG/DY

DISP: Natural Death

HISTO: 98-81922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Brain		Compression	Mild
[Compression TGLS = 4-1]			
* Clitoral Gland		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Basophilic Focus	
		Cytomegaly	Minimal
	Hepatocyte	Mixed Cell Focus	
[Basophilic Focus TGLS = 7-6]		Vacuolization Cytoplasmic	Mild
[Mixed Cell Focus TGLS = 7-6]			
* Lung		Congestion	Moderate
[Congestion TGLS = 2-2]		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 6-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 259	TRT#: 6	SEX: Female	DAY ON TEST: 664
	DOSE: 0.1 MG/KG/DY	DISP: Natural Death	HISTO: 98-81922

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 8-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 260

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82910

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Minimal
		Infiltration Cellular	Mixed Cell, Moderate
	[Basophilic Focus TGLS = 4-6]		
	[Infiltration Cellular TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLS = 5-2]		
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Ectasia	Moderate
		Hyperplasia	Lymphoid, Mild
		Pigmentation	Mild
	[Ectasia TGLS = 2-8]		
	[Hyperplasia TGLS = 2-8]		
	[Pigmentation TGLS = 2-8]		
* Lymph Node, Mesenteric		Pigmentation	Mild
* Mammary Gland		Hyperplasia	Mild
Oral Mucosa		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 3-21]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 260

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82910

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Salivary Glands		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	
Tooth		Malformation	
[Malformation TGLS = 6-9-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 261

TRT#: 6

SEX: Female

DAY ON TEST: 691

DOSE: 0.1 MG/KG/DY

DISP: Natural Death

HISTO: 98-82911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Mild
* Brain		Compression	Moderate
* Clitoral Gland		Adenoma	
* Liver	Hepatocyte	Basophilic Focus	
		Cytomegaly	Minimal
		Mixed Cell Focus	
		[Basophilic Focus TGLS = 4-6]	
		[Mixed Cell Focus TGLS = 4-6]	
* Lung		Congestion	Moderate
		Infiltration Cellular	Histiocyte, Minimal
		[Congestion TGLS = 5-2]	
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Adenoma	
		Fibroadenoma	Multiple
		Hyperplasia	Marked
		[Adenoma TGLS = 7-23]	
		[Fibroadenoma TGLS = 1-21,2-22]	
		[Hyperplasia TGLS = 3-8]	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 261

TRT#: 6

SEX: Female

DAY ON TEST: 691

DOSE: 0.1 MG/KG/DY

DISP: Natural Death

HISTO: 98-82911

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-1]

* Spleen

Hematopoietic Cell Proliferation
Pigmentation

Minimal
Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 262

TRT#: 6

SEX: Female

DAY ON TEST: 668

DOSE: 0.1 MG/KG/DY

DISP: Dosing Accident

HISTO: 98-82912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland	* Intestine Large, Colon
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 6-6]			
[Clear Cell Focus TGLS = 6-6]			
[Mixed Cell Focus TGLS = 6-6]			
* Lung		Congestion	Marked
		Hemorrhage	Marked
		Infiltration Cellular	Histiocyte, Minimal
[Congestion TGLS = 3-2]			
[Hemorrhage TGLS = 3-2]			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-8,2-22]			
Mesentery	Fat	Necrosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 262

TRT#: 6

SEX: Female

DAY ON TEST: 668

DOSE: 0.1 MG/KG/DY

DISP: Dosing Accident

HISTO: 98-82912

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 4-21]

* Spleen

Leukemia Mononuclear
Pigmentation

Mild

Note: LEUKEMIA MONUC APPEARS TO BE AN EARLY STAGE.

[Leukemia Mononuclear TGLS = 4-21]

PRIMARY CAUSE OF DEATH

-

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 263

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82913

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Minimal
		Hepatodiaphragmatic Nodule	
		[Basophilic Focus TGLS = 5-6]	
		[Clear Cell Focus TGLS = 5-6]	
		[Hepatodiaphragmatic Nodule TGLS = 6-22]	
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Pigmentation	Mild
* Lymph Node, Mandibular		Pigmentation	Mild
* Mammary Gland		Hyperplasia	Mild
		[Hyperplasia TGLS = 1-8]	
Mesentery	Fat	Necrosis	Moderate
		[Necrosis TGLS = 2-21]	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
		[Hyperplasia TGLS = 3-1]	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 263

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82913

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 264

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Minimal
		Hepatodiaphragmatic Nodule	
	[Basophilic Focus TGLS = 4-6]		
	[Clear Cell Focus TGLS = 4-6]		
	[Hepatodiaphragmatic Nodule TGLS = 5-23]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 1-21]		
	[Hyperplasia TGLS = 2-8]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 3-22]		
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 264

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82914

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 6-24]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 265

TRT#: 6

SEX: Female

DAY ON TEST: 715

DOSE: 0.1 MG/KG/DY

DISP: Natural Death

HISTO: 98-82915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

Vagina

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Bone	Cranium	Osteopetrosis	Marked
	Femur	Osteopetrosis	Marked
	[Osteopetrosis TGLS = 11-9]		
	[Osteopetrosis TGLS = 10-24]		
* Clitoral Gland		Carcinoma	
	[Carcinoma TGLS = 2-22]		
* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver	Hepatocyte	Basophilic Focus	
	Hepatocyte	Cytomegaly	Minimal
	[Basophilic Focus TGLS = 3-6]	Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate

Note: FIBROADENOMA IS PRESENT ON SLIDE 22-1.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 265	TRT#: 6	SEX: Female	DAY ON TEST: 715
	DOSE: 0.1 MG/KG/DY	DISP: Natural Death	HISTO: 98-82915

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 7-8]			
[Hyperplasia TGLS = 7-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 5-7]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 9-1]			
* Skin	Subcut Tiss	Edema	Marked
	Subcut Tiss	Fibroma	
[Edema TGLS = 6-23]			
[Fibroma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 266

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Degeneration	Fatty, Mild
* Brain		Compression	Moderate
[Compression TGLS = 3-1]			
* Kidney	Renal Tubule	Hyaline Droplet	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Minimal
[Basophilic Focus TGLS = 5-6]			
[Clear Cell Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-21]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 266

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82916

ORGAN AND ACCOUNTABLE SITE STATUS

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 267

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82917

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Pigmentation

Moderate

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 268

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone	Cranium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Mild
	[Osteopetrosis TGLS = 6-24]		
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
	[Adenoma TGLS = 8-8]		
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 5-6]	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Ectasia	Mild
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
Note: SECTION OF FIBROADENOMA ON SLIDE 21 IS VERY CYSTIC AND ALSO CONTAINS HYPERPLASTIC MAMMARY GLAND AS WELL AS SKELETAL MUSCLE INTERSPERSED WITH FATTY TISSUE.			
	[Fibroadenoma TGLS = 1-21,2-22]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 268	TRT#: 6	SEX: Female	DAY ON TEST: 730
	DOSE: 0.1 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82918

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Accessory Spleen TGLS = 4-23]		Accessory Spleen	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
	[Cyst TGLS = 7-1]		
	[Hyperplasia TGLS = 7-1]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 269

TRT#: 6

SEX: Female

DAY ON TEST: 307

DOSE: 0.1 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-78802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	Vagina		

MISSING

* Clitoral Gland	* Islets, Pancreatic	* Pancreas
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INSUFFICIENT TISSUE

* Stomach, Forestomach

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney	Renal Tubule	Hyaline Droplet	Marked
	Renal Tubule	Pigmentation	Marked
	[Pigmentation TGLS = 5-5]		
* Liver	Kupffer Cell	Pigmentation	Mild
	Note: CLUMPS OF PHAGOCYtic CELLS WITH FOAMY, BROWNISH-TINTED CYTOPLASM; CONSIDERED TO BE PIGMENT-CONTAINING KUPFFER CELLS.		
	Lymph Node		
	Note: Lymph Node, Mediastinal is missing.		
* Nose		Foreign Body	
		Inflammation	Chronic, Minimal
	[Foreign Body TGLS = 8-22]		
* Ovary		Mesothelioma Malignant	Metastatic (Peritoneum)
	[Mesothelioma Malignant TGLS = 3-7]		
	Peritoneum	Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 7-21]		
	Skeletal Muscle	Mesothelioma Malignant	Metastatic (Peritoneum)
	[Mesothelioma Malignant TGLS = 8-22]		
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 269	TRT#: 6	SEX: Female	DAY ON TEST: 307
	DOSE: 0.1 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-78802

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular	Ulcer	Mild
* Thymus		

Note: TGL 10-3 IS THYMIC CORTICAL DEPLETION CONSIDERED SECONDARY TO MESOTHELIOMA; NOT TABULATED.

PRIMARY CAUSE OF DEATH - Peritoneum Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 270

TRT#: 6

DOSE: 0.1 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 98-82919

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hyperplasia	Focal, Moderate
* Bone	Cranium	Osteopetrosis	Marked
	Femur	Osteopetrosis	Marked
	[Osteopetrosis TGLS = 7-22]		
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Minimal
	[Basophilic Focus TGLS = 4-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Moderate
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
	[Fibroadenoma TGLS = 2-21]		
	[Hyperplasia TGLS = 1-8]		
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	[Cyst TGLS = 5-1]		
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 270

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82919

ORGAN AND ACCOUNTABLE SITE STATUS

Pigmentation

Mild

Note: ZONE OF HYPERPLASTIC ENDOTHELIAL CELLS IS RED PULP SINUSOIDS; NOT TABULATED ON TDMS.

* Thyroid Gland

C Cell

Adenoma

* Uterus

Hyperplasia

Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 271

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Minimal
	[Basophilic Focus TGLS = 6-6]		
	[Clear Cell Focus TGLS = 6-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
		Note: THE FIBROADENOMA ON SLIDE 22 HAS AREAS OF ANAPLASIA AND INCREASED MITOTIC ACTIVITY.	
		[Fibroadenoma TGLS = 1-21,2-22]	
		[Hyperplasia TGLS = 7-8]	
Mesentery	Fat	Necrosis	Marked
		[Necrosis TGLS = 3-23]	
* Ovary		Cyst	Moderate
		[Cyst TGLS = 4-7]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 271	TRT#: 6	SEX: Female	DAY ON TEST: 730
	DOSE: 0.1 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82920

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
[Adenoma TGLS = 8-1]			
[Angiectasis TGLS = 8-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 272

TRT#: 6

SEX: Female

DAY ON TEST: 646

DOSE: 0.1 MG/KG/DY

DISP: Natural Death

HISTO: 98-81923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Clitoral Gland		Cyst	Moderate
		Inflammation	Chronic, Moderate
[Cyst TGLS = 2-8]			
[Inflammation TGLS = 2-8]			
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
* Lung		Congestion	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Congestion TGLS = 7-2]			
[Infiltration Cellular TGLS = 7-2]			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
[Angiectasis TGLS = 8-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 272	TRT#: 6	SEX: Female	DAY ON TEST: 646
	DOSE: 0.1 MG/KG/DY	DISP: Natural Death	HISTO: 98-81923

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Congestion	Mild
	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Mild
* Uterus	Polyp Stromal	
	Sarcoma Stromal	
[Polyp Stromal TGLS = 4-7,9-7]		
[Sarcoma Stromal TGLS = 3-7-1]		

PRIMARY CAUSE OF DEATH - Uterus Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 273

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	Mesentery	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Hypertrophy	Focal, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Minimal
[Basophilic Focus TGLS = 3-6]			
[Clear Cell Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Minimal
	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
Oral Mucosa		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 5-22]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 7-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
	Pars Distalis	Hyperplasia	Focal, Marked
[Angiectasis TGLS = 4-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 273	TRT#: 6	SEX: Female	DAY ON TEST: 730
	DOSE: 0.1 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82921

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Mild
* Uterus	Hydrometra	Mild
	Polyp Stromal	Multiple

Note: THE POLYP STROMAL ON SLIDE 23 IS MARKEDLY NECROTIC.
[Polyp Stromal TGLS = 8-23,9-7]

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 274

TRT#: 6

SEX: Female

DAY ON TEST: 651

DOSE: 0.1 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-81924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-10]			
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-21]			
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Leukemia Mononuclear	
	Renal Tubule	Pigmentation	Moderate
* Liver	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 8-6]			
[Vacuolization Cytoplasmic TGLS = 8-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 9-3]			
* Lymph Node, Mandibular		Ectasia	Mild
		Leukemia Mononuclear	
		Pigmentation	Mild
[Leukemia Mononuclear TGLS = 4-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 274	TRT#: 6	SEX: Female	DAY ON TEST: 651
	DOSE: 0.1 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 98-81924

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Hyperplasia TGLS = 1-8]		Hyperplasia	Mild
Mesentery [Necrosis TGLS = 6-22]	Fat	Necrosis	Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen [Hematopoietic Cell Proliferation TGLS = 5-6] [Leukemia Mononuclear TGLS = 5-6]		Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus [Polyp Stromal TGLS = 4-7]		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 275

TRT#: 6

SEX: Female

DAY ON TEST: 638

DOSE: 0.1 MG/KG/DY

DISP: Natural Death

HISTO: 97-81783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Leukemia Mononuclear	
Note: MODERATE CORTICAL NECROSIS; CONSIDERED SECONDARY TO LEUKEMIA MONUC.		
[Leukemia Mononuclear TGLS = 3-6]		
* Adrenal Medulla	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]		
* Bone Marrow	Leukemia Mononuclear	
* Brain	Leukemia Mononuclear	
* Heart	Leukemia Mononuclear	
* Kidney	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5]		
* Liver	Leukemia Mononuclear Necrosis	Focal, Minimal
[Leukemia Mononuclear TGLS = 4-5]		
[Necrosis TGLS = 5-6]		
* Lung	Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
[Leukemia Mononuclear TGLS = 5-6]		
Lymph Node		
Note: Lymph Node, Mediastinal is missing.		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]		
* Mammary Gland	Fibroadenoma Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 275	TRT#: 6	SEX: Female	DAY ON TEST: 638
	DOSE: 0.1 MG/KG/DY	DISP: Natural Death	HISTO: 97-81783

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-21] [Hyperplasia TGLS = 1-8] * Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia Leukemia Mononuclear	Moderate Focal, Mild
[Leukemia Mononuclear TGLS = 2-21] * Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 7-22] * Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6] * Stomach, Glandular		Erosion Leukemia Mononuclear	Mild
[Leukemia Mononuclear TGLS = 3-6]			

PRIMARY CAUSE OF DEATH - Stomach, Glandular Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 276

TRT#: 6

SEX: Female

DAY ON TEST: 642

DOSE: 0.1 MG/KG/DY

DISP: Natural Death

HISTO: 98-81925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Kidney
* Lymph Node, Mandibular	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Islets, Pancreatic	* Lymph Node, Mesenteric	* Pancreas
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex	Degeneration	Fatty, Moderate
* Bone Marrow	Hyperplasia	Marked
* Heart	Cardiomyopathy	Minimal
* Liver	Basophilic Focus	
	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]		
* Lung	Hemorrhage	Moderate
[Hemorrhage TGLS = 3-2]		
Lymph Node		
Note: Lymph Node, Mediastinal is missing.		
* Mammary Gland	Hyperplasia	Mild
[Hyperplasia TGLS = 6-8]		
* Spleen	Hematopoietic Cell Proliferation	Moderate
	Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 4-6]		
[Leukemia Mononuclear TGLS = 4-6]		

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 277

TRT#: 6

SEX: Female

DAY ON TEST: 618

DOSE: 0.1 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-81366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-5]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-5]			
* Bone	Femur	Osteopetrosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
[Hemorrhage TGLS = 10-1]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-1]			
* Kidney	Renal Tubule	Hyaline Droplet	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-5]			
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 9-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
Lymph Node	Mediastinal	Congestion	Mild
	Mediastinal	Pigmentation	Mild
* Lymph Node, Mesenteric		Hemorrhage	Moderate
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 277	TRT#: 6	SEX: Female	DAY ON TEST: 618
	DOSE: 0.1 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-81366

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 8-5]			
[Pigmentation TGLS = 8-5]			
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 5-1]			
Skeletal Muscle		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-22]			
* Skin	Subcut Tiss	Edema	Moderate
Note: EDEMA ALSO EVIDENT IN SUBCUTIS SURROUNDING SALIVARY GLANDS ON SLIDE 8.			
[Edema TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
		Pigmentation	Mild
[Hematopoietic Cell Proliferation TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 6-6]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 278

TRT#: 6

SEX: Female

DAY ON TEST: 451

DOSE: 0.1 MG/KG/DY

DISP: Natural Death

HISTO: 97-79259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hypertrophy	Focal, Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-5]			
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-5]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Mammary Gland		Hyperplasia	Mild
* Nose	Olfactory Epi	Degeneration	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Stomach, Glandular		Erosion	Mild
* Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 279

TRT#: 6

SEX: Female

DAY ON TEST: 660

DOSE: 0.1 MG/KG/DY

DISP: Natural Death

HISTO: 98-81926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Hemorrhage	Mild
[Hemorrhage TGLS = 6-1]			
* Clitoral Gland		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Basophilic Focus	
		Cytomegaly	Minimal
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 4-6]			
[Hepatodiaphragmatic Nodule TGLS = 3-22]			
* Lung		Congestion	Moderate
		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
[Congestion TGLS = 5-2]			
[Hemorrhage TGLS = 5-2]			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mesenteric		Congestion	Moderate
		Hemorrhage	Moderate
* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 279	TRT#: 6	SEX: Female	DAY ON TEST: 660
	DOSE: 0.1 MG/KG/DY	DISP: Natural Death	HISTO: 98-81926

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 7-1]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Uterus		Hydrometra	Mild
		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: LIVER AND KIDNEY ARE MODERATELY CONGESTED; NOT TABULATED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 280

TRT#: 6

SEX: Female

DAY ON TEST: 561

DOSE: 0.1 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-7]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-7]			
* Bone	Femur	Osteopetrosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Marked
* Brain		Hemorrhage	Minimal
[Hemorrhage TGLS = 3-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Minimal
* Liver	Bile Duct	Pigmentation	Minimal
		Hyperplasia	Mild
	Kupffer Cell	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 280

TRT#: 6

SEX: Female

DAY ON TEST: 561

DOSE: 0.1 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80440

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 7-7]		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Marked
* Pancreas [Leukemia Mononuclear TGLS = 5-7]		Leukemia Mononuclear	
* Pituitary Gland [Adenoma TGLS = 4-1] [Leukemia Mononuclear TGLS = 4-1]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 6-6] [Necrosis TGLS = 6-6]		Leukemia Mononuclear Necrosis	Moderate
* Stomach, Glandular Note: ULCER ALSO PRESENT ON SLIDE 4. [Leukemia Mononuclear TGLS = 8-21] [Ulcer TGLS = 8-21]		Leukemia Mononuclear Ulcer	Moderate
* Thymus [Leukemia Mononuclear TGLS = 6-6]		Leukemia Mononuclear	
* Thyroid Gland * Uterus [Polyp Stromal TGLS = 7-7]	C Cell	Hyperplasia Polyp Stromal	Minimal

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

Animal Note: NECROSIS ASSOCIATED WITH LEUKEMIA MONUC IS PRESENT IN SEVERAL ORGANS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 281

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Bone	Cranium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Moderate
	[Osteopetrosis TGLS = 7-23]		
* Clitoral Gland		Adenoma	
	[Adenoma TGLS = 7-23]		
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver	Hepatocyte	Basophilic Focus	
		Cytomegaly	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 4-6]		
	[Mixed Cell Focus TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 2-21,3-22]		
	[Hyperplasia TGLS = 1-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 281	TRT#: 6	SEX: Female	DAY ON TEST: 729
	DOSE: 0.1 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82922

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 6-1]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 282

TRT#: 6

SEX: Female

DAY ON TEST: 293

DOSE: 0.1 MG/KG/DY

DISP: Dosing Accident

HISTO: 97-78201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Kidney	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Uterus	

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Stomach, Glandular	* Thyroid Gland
* Urinary Bladder			

OBSERVATIONS

* Liver	Basophilic Focus	
	Infiltration Cellular	Mixed Cell, Mild
* Lung	Congestion	Moderate
Lymph Node		
Note: Lymph Node, Mediastinal is autolyzed.		
* Ovary	Cyst	Moderate
[Cyst TGLS = 1-7]		
* Spleen	Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 283

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Minimal
	[Basophilic Focus TGLS = 3-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 1-21]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 284

TRT#: 6

SEX: Female

DAY ON TEST: 650

DOSE: 0.1 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-81927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver	Hepatocyte	Basophilic Focus Cytomegaly	Mild
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21,2-8,5-22]			
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
[Angiectasis TGLS = 3-1]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 285

TRT#: 6

DOSE: 0.1 MG/KG/DY

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 710

HISTO: 98-82924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule Degeneration Hypertrophy	Moderate Fatty, Moderate Marked
Note: ANGIECTASIS WITHIN AREA OF FATTY DEGENERATION; NOT TABULATED ON TDMS.		
* Bone Marrow	Hyperplasia	Marked
* Clitoral GI		
Note: MODERATE ACINAR ATROPHY; NOT TABULATED.		
* Heart	Cardiomyopathy	Minimal
* Liver	Basophilic Focus Eosinophilic Focus Hepatodiaphragmatic Nodule Mixed Cell Focus Necrosis	Focal, Minimal
[Basophilic Focus TGLS = 5-6]		
[Eosinophilic Focus TGLS = 5-6]		
[Hepatodiaphragmatic Nodule TGLS = 4-23]		
[Mixed Cell Focus TGLS = 5-6]		
* Lung	Alveolar/Bronchiolar Adenoma Infiltration Cellular	Histiocyte, Mild
[Alveolar/Bronchiolar Adenoma TGLS = 6-2]		
Lymph Node		
Note: Lymph Node Mediastinal is normal.		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 285	TRT#: 6	SEX: Female	DAY ON TEST: 710
	DOSE: 0.1 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 98-82924

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 2-22]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 286

TRT#: 6

SEX: Female

DAY ON TEST: 252

DOSE: 0.1 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-78212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | |
|--|------------------|---------------------|
| * Brain | Glioma Malignant | |
| Note: TUMOR CONTAINS COMPONENTS CHARACTERISTIC OF ASTROCYTOMA AND OLIGODENDROGLIOMA. | | |
| [Glioma Malignant TGLS = 2-1] | | |
| * Liver | Basophilic Focus | Mixed Cell, Minimal |
| [Basophilic Focus TGLS = 2-1] | | |
| Lymph Node | | |
| Note: Lymph Node, Mediastinal is normal. | | |
| * Spleen | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH - Liver Basophilic Focus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 287

TRT#: 6

SEX: Female

DAY ON TEST: 678

DOSE: 0.1 MG/KG/DY

DISP: Natural Death

HISTO: 98-82925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Clitoral Gland |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Islets, Pancreatic | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Uterus | | |

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- | | |
|--------------------------|----------------------------|
| * Intestine Small, Ileum | * Intestine Small, Jejunum |
|--------------------------|----------------------------|

OBSERVATIONS

- | | | |
|---|-----------------------|------------------|
| * Bone Marrow | Leukemia Mononuclear | |
| * Brain | Compression | Moderate |
| [Compression TGLS = 6-1] | | |
| * Kidney | Nephropathy | Minimal |
| * Liver | Basophilic Focus | |
| | Infiltration Cellular | Mixed Cell, Mild |
| | Leukemia Mononuclear | |
| [Basophilic Focus TGLS = 4-6] | | |
| * Lung | Infiltration Cellular | Histiocyte, Mild |
| | Leukemia Mononuclear | |
| [Infiltration Cellular TGLS = 5-2] | | |
| [Leukemia Mononuclear TGLS = 5-2] | | |
| Lymph Node | | |
| Note: Lymph Node, Mediastinal is missing. | | |
| * Lymph Node, Mandibular | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | Leukemia Mononuclear | |
| * Mammary Gland | Hyperplasia | Mild |
| [Hyperplasia TGLS = 1-8] | | |
| * Ovary | Cyst | Moderate |
| | Leukemia Mononuclear | |
| [Cyst TGLS = 2-7] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 287	TRT#: 6	SEX: Female	DAY ON TEST: 678
	DOSE: 0.1 MG/KG/DY	DISP: Natural Death	HISTO: 98-82925

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Leukemia Mononuclear Pigmentation	Moderate
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	- Urinary Bladder Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 288

TRT#: 6

SEX: Female

DAY ON TEST: 682

DOSE: 0.1 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		[Infiltration Cellular TGLS = 6-2]	
		Lymph Node	
		Note: Lymph Node, Mediastinal is missing.	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
		[Fibroadenoma TGLS = 8-23]	
		[Hyperplasia TGLS = 1-8,4-21]	
Mesentery	Fat	Necrosis	Moderate
		[Necrosis TGLS = 5-22]	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
		Sarcoma Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 288	TRT#: 6	SEX: Female	DAY ON TEST: 682
	DOSE: 0.1 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 98-82926

ORGAN AND ACCOUNTABLE SITE STATUS

Note: POLYP STROMAL IS NECROTIC.

[Polyp Stromal TGLS = 7-7]

[Sarcoma Stromal TGLS = 3-7]

Vagina

[Sarcoma Stromal TGLS = 2-7]

Sarcoma Stromal

Metastatic (Uterus)

PRIMARY CAUSE OF DEATH - Uterus Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 289

TRT#: 6

SEX: Female

DAY ON TEST: 726

DOSE: 0.1 MG/KG/DY

DISP: Natural Death

HISTO: 98-82927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6]			
[Clear Cell Focus TGLS = 3-6]			
[Mixed Cell Focus TGLS = 3-6]			
* Lung		Congestion	Moderate
		Infiltration Cellular	Histiocyte, Minimal
[Congestion TGLS = 5-2]			
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Minimal
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 2-1]			
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 290

TRT#: 6

SEX: Female

DAY ON TEST: 638

DOSE: 0.1 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-81784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus
Vagina			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Hyperplasia	Mild
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
Lymph Node	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
		Pigmentation	Mild
	[Leukemia Mononuclear TGLS = 3-6]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
	[Fibroadenoma TGLS = 1-21,6-22]		
Mesentery		Accessory Spleen	
	Fat	Necrosis	Moderate

Note: LEUKEMIA MONUC INFILTRATE IN NECROTIC FAT; NOT TABULATED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 290	TRT#: 6	SEX: Female	DAY ON TEST: 638
	DOSE: 0.1 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-81784

ORGAN AND ACCOUNTABLE SITE STATUS

[Accessory Spleen TGLS = 8-24]
[Necrosis TGLS = 7-23]

* Pituitary Gland	Pars Distalis	Angiectasis Leukemia Mononuclear	Marked
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Note: AGGREGATE OF HEMOSIDERIN-FILLED MACROPHAGES IN PARS DISTALIS; NOT TABULATED.

[Angiectasis TGLS = 9-1]
[Leukemia Mononuclear TGLS = 7-23]

* Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Moderate
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[Hematopoietic Cell Proliferation TGLS = 3-6]
[Leukemia Mononuclear TGLS = 3-6]

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 291

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone	Cranium	Osteopetrosis	Mild
	Femur	Osteopetrosis	Mild
	[Osteopetrosis TGLS = 4-22]		
* Heart		Cardiomyopathy	Mild
	Note: MODERATE CHRONIC INFLAMMATION; NOT TABULATED.		
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Minimal
	[Basophilic Focus TGLS = 2-6]		
	[Clear Cell Focus TGLS = 2-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
	Lymph Node		
	Note: Lymph Node, Mediastinal is missing.		
* Mammary Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 1-8,3-21]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Intermed	Adenoma	
	Pars Distalis	Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 291	TRT#: 6	SEX: Female	DAY ON TEST: 731
	DOSE: 0.1 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82928

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-1]	Pars Distalis	Cyst	Moderate
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 292

TRT#: 6

DOSE: 0.1 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 98-82929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Mild
	Renal Tubule	Nephropathy	Minimal
	[Pigmentation TGLS = 5-5]	Pigmentation	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 3-6]	Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 1-8]		
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-1]		
* Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLS = 4-6]	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 292

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82929

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-6]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 293

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Clear Cell Focus	
		Cytomegaly	Minimal
		Eosinophilic Focus	
		Infiltration Cellular	Mixed Cell, Minimal
		[Basophilic Focus TGLS = 2-6]	
		[Clear Cell Focus TGLS = 2-6]	
		[Eosinophilic Focus TGLS = 2-6]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Mild
		[Hyperplasia TGLS = 1-8]	
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
		[Adenoma TGLS = 3-1]	
		[Cyst TGLS = 4-1]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 293

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82930

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Pigmentation

Moderate

* Uterus

Hydrometra

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 294

TRT#: 6

DOSE: 0.1 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 98-82931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 5-22]			
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 5-22]			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Minimal
[Basophilic Focus TGLS = 6-6]			
[Clear Cell Focus TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-2]			
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 294

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82931

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 295

TRT#: 6

DOSE: 0.1 MG/KG/DY

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 707

HISTO: 98-82932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Diffuse, Moderate
* Bone Marrow		Hyperplasia	Mild
* Kidney	Renal Tubule	Necrosis	Moderate
	Renal Tubule	Pigmentation	Mild
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Moderate
	Bile Duct	Hyperplasia	Mild
		Necrosis	Focal, Moderate
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Marked
	Mediastinal	Pigmentation	Moderate
[Hemorrhage TGLS = 6-22]			
[Pigmentation TGLS = 6-22]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 4-7]			
* Spleen		Hematopoietic Cell Proliferation	Marked
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 295	TRT#: 6	SEX: Female	DAY ON TEST: 707
	DOSE: 0.1 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 98-82932

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Hydrometra	Mild
	Sarcoma Stromal	

[Sarcoma Stromal TGLS = 5-23]

PRIMARY CAUSE OF DEATH - Uterus Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 296

TRT#: 6

SEX: Female

DAY ON TEST: 678

DOSE: 0.1 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus	Vagina	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Brain		Compression	Marked
		Hydrocephalus	Moderate
[Compression TGLS = 5-1]			
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Mild
		Eosinophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Basophilic Focus TGLS = 4-6]			
[Eosinophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 296	TRT#: 6	SEX: Female	DAY ON TEST: 678
	DOSE: 0.1 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 98-82933

ORGAN AND ACCOUNTABLE SITE STATUS

Note: MODERATE DEGREE OF FIBROSIS AND CHRONIC ACTIVE INFLAMMATION BENEATH HYPERPLASTIC MUCOSA; NOT TABULATED.

* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 297

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Mild
* Bone Marrow		Hyperplasia	Mild
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Nephropathy	Minimal
* Liver	Renal Tubule	Pigmentation	Minimal
	Hepatocyte	Basophilic Focus	
		Cytomegaly	Minimal
	[Basophilic Focus TGLS = 6-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Lymph Node, Mandibular		Pigmentation	Mild
* Mammary Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 1-8]		
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 5-21]		
* Ovary		Cyst	Moderate
	[Cyst TGLS = 2-7]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Moderate
	Note: LEUKEMIA MONUC IS IN EARLY STAGE.		
* Uterus		Hydrometra	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 297

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.1 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82934

ORGAN AND ACCOUNTABLE SITE STATUS

Polyp Stromal

[Hydrometra TGLS = 3-7]

[Polyp Stromal TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 298

TRT#: 6

DOSE: 0.1 MG/KG/DY

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 658

HISTO: 98-81928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Chronic, Moderate
[Inflammation TGLS = 4-8]			
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Moderate
[Pigmentation TGLS = 8-5]			
* Liver		Infiltration Cellular	Mixed Cell, Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 298	TRT#: 6	SEX: Female	DAY ON TEST: 658
	DOSE: 0.1 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 98-81928

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Hyperplasia TGLS = 1-8]		Hyperplasia	Moderate
* Pituitary Gland [Angiectasis TGLS = 3-1] [Leukemia Mononuclear TGLS = 1-8]	Pars Distalis Pars Distalis	Angiectasis Hyperplasia Leukemia Mononuclear	Marked Focal, Moderate
* Spleen [Leukemia Mononuclear TGLS = 6-6]		Leukemia Mononuclear Pigmentation	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 299

TRT#: 6

SEX: Female

DAY ON TEST: 680

DOSE: 0.1 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Kidney	Renal Tubule	Hyaline Droplet	Mild
	Renal Tubule	Leukemia Mononuclear	
		Pigmentation	Minimal
[Leukemia Mononuclear TGLS = 6-6]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear	
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Leukemia Mononuclear	
		Pigmentation	Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	Moderate
* Pancreas		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 299	TRT#: 6	SEX: Female	DAY ON TEST: 680
	DOSE: 0.1 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 98-82935

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-6]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 300

TRT#: 6

DOSE: 0.1 MG/KG/DY

SEX: Female

DISP: Natural Death

DAY ON TEST: 552

HISTO: 97-80441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Kidney
* Lymph Node, Mandibular	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Uterus	

MISSING

* Pituitary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Urinary Bladder	

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 3-2]			
Lymph Node	Mediastinal	Congestion	Moderate
	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Ovary			
Note: AREA OF HEMORRHAGE IN ONE OVARY; NOT TABULATED.			
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 301

TRT#: 7

SEX: Female

DAY ON TEST: 524

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney	Renal Tubule	Necrosis	Mild
		Nephropathy	Mild
Note: NEPHROPATHY MAY HAVE BEEN SECONDARY TO TUBULAR NECROSIS. [Necrosis TGLS = 4-5]			
* Liver	Hepatocyte	Cytomegaly	Moderate
		Hemangiosarcoma	
		Hemorrhage	Marked
	Bile Duct	Hyperplasia	Moderate
		Necrosis	Focal, Marked
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Hemangiosarcoma TGLS = 3-21]			
* Lung		Edema	Marked
		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Marked
		Infiltration Cellular	Histiocyte, Marked
[Edema TGLS = 7-2] [Hemangiosarcoma TGLS = 8-2] [Hemorrhage TGLS = 7-2] [Infiltration Cellular TGLS = 7-2]			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 301	TRT#: 7	SEX: Female	DAY ON TEST: 524
	DOSE: 0.33 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-80074

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
	[Hematopoietic Cell Proliferation TGLS = 2-6]		
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 5-7]		

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 302

TRT#: 7

DOSE: 0.33 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 98-83000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone	Cranium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Marked
	[Osteopetrosis TGLS = 4-21]		
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Mild
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 3-6]		
	[Clear Cell Focus TGLS = 3-6]		
	[Mixed Cell Focus TGLS = 3-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Hyperplasia	Mild
		[Hyperplasia TGLS = 1-8]	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 302

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-83000

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-1]

[Angiectasis TGLS = 5-1]

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

* Uterus

Hyperplasia

Cystic, Mild

Polyp Stromal

[Polyp Stromal TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 303

TRT#: 7

DOSE: 0.33 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 98-82874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Bone	Cranium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
		Basophilic Focus	
* Liver		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Minimal
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
Mesentery		Accessory Spleen	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 303	TRT#: 7	SEX: Female	DAY ON TEST: 730
	DOSE: 0.33 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82874

ORGAN AND ACCOUNTABLE SITE STATUS

[Accessory Spleen TGLS = 3-22]

* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 304

TRT#: 7

SEX: Female

DAY ON TEST: 654

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-81929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Marked
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Minimal
	[Leukemia Mononuclear TGLS = 3-5]	Pigmentation	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 5-6]	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	[Leukemia Mononuclear TGLS = 5-6]	Leukemia Mononuclear	
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-21]	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 304

TRT#: 7

SEX: Female

DAY ON TEST: 654

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-81929

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-6]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Hydrometra

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 305

TRT#: 7

SEX: Female

DAY ON TEST: 587

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-81072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus	Vagina		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone	Femur	Osteopetrosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Minimal
[Leukemia Mononuclear TGLS = 6-5]			
* Liver		Eosinophilic Focus	
		Leukemia Mononuclear	
[Eosinophilic Focus TGLS = 3-6]			
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 11-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Moderate
	Renal	Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 1-7]			
[Leukemia Mononuclear TGLS = 10-3]			
[Leukemia Mononuclear TGLS = 9-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 305

TRT#: 7

SEX: Female

DAY ON TEST: 587

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-81072

ORGAN AND ACCOUNTABLE SITE STATUS

[Pigmentation TGLS = 9-22]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-21]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 7-7]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	Moderate
		Leukemia Mononuclear	
[Angiectasis TGLS = 12-1]			
[Leukemia Mononuclear TGLS = 7-7]			
* Spleen		Congestion	Moderate
		Fibrosis	Moderate
		Leukemia Mononuclear	
[Congestion TGLS = 13-23]			
[Fibrosis TGLS = 13-23]			
[Leukemia Mononuclear TGLS = 2-6]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Thymus Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Liver Eosinophilic Focus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 306

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Brain		Compression	Marked
		Hydrocephalus	Mild
[Compression TGLS = 7-1]			
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
[Pigmentation TGLS = 9-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6]			
[Clear Cell Focus TGLS = 2-6]			
[Mixed Cell Focus TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 3-2]			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Adenoma	
		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 306	TRT#: 7	SEX: Female	DAY ON TEST: 730
	DOSE: 0.33 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82875

ORGAN AND ACCOUNTABLE SITE STATUS

Note: MAMMARY GLAND HYPERPLASIA IS MORE PRONOUNCED ON SLIDE 21 THAN ON SLIDE 8. [Adenoma TGLS = 5-21] [Carcinoma TGLS = 6-22] [Hyperplasia TGLS = 1-8]	Hyperplasia	Marked
* Ovary [Cyst TGLS = 4-7]	Cyst	Moderate
* Pituitary Gland [Adenoma TGLS = 8-1]	Pars Distalis Adenoma	
* Spleen	Pigmentation	Moderate
* Thyroid Gland	C Cell Hyperplasia	Minimal
* Uterus	Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 307

TRT#: 7

SEX: Female

DAY ON TEST: 570

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Salivary Glands	* Skin	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain		Compression	Moderate
		Hydrocephalus	Mild
[Compression TGLS = 4-1]			
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Minimal
		Infiltration Cellular	Mixed Cell, Moderate
	Kupffer Cell	Mixed Cell Focus	
		Pigmentation	Moderate
[Basophilic Focus TGLS = 6-6-1]			
[Mixed Cell Focus TGLS = 6-6-1]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 307

TRT#: 7

SEX: Female

DAY ON TEST: 570

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80522

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 308

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82876

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Marked
		Hydrocephalus	Moderate
[Compression TGLS = 6-1]			
* Kidney	Renal Tubule	Hyaline Droplet	Mild
	Renal Tubule	Pigmentation	Mild
[Pigmentation TGLS = 8-5]			
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Basophilic Focus TGLS = 2-6]			
[Leukemia Mononuclear TGLS = 2-6]			
[Vacuolization Cytoplasmic TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Pancreatic	Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 5-7]			
[Pigmentation TGLS = 5-7]			
* Lymph Node, Mandibular		Hemorrhage	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 308	TRT#: 7	SEX: Female	DAY ON TEST: 729
	DOSE: 0.33 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82876

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Hyperplasia TGLS = 4-8]		Leukemia Mononuclear Hyperplasia	Moderate
* Pancreas * Pituitary Gland [Adenoma TGLS = 7-1]	Acinus Pars Distalis	Hyperplasia Adenoma	Focal, Mild
* Spleen [Hematopoietic Cell Proliferation TGLS = 3-6] [Leukemia Mononuclear TGLS = 3-6]		Hematopoietic Cell Proliferation Leukemia Mononuclear	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 309

TRT#: 7

SEX: Female

DAY ON TEST: 590

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-81073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Clitoral Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Mild
[Basophilic Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 5-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 310

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82877

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-21]

[Hyperplasia TGLS = 1-8]

* Spleen

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

Animal Note: LESIONS OF MINIMAL PERIARTERITIS INVOLVING HEART AND AORTA; NOT TABULATED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 311

TRT#: 7
DOSE: 0.33 MG/KG/DY

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 98-82878

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone	Cranium	Osteopetrosis	Marked
	Femur	Osteopetrosis	Marked
		[Osteopetrosis TGLS = 5-21]	
* Clitoral Gland		Cyst	Marked
		[Cyst TGLS = 1-8]	
* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Clear Cell Focus	
		Cytomegaly	Mild
		Mixed Cell Focus	
		[Basophilic Focus TGLS = 3-6]	
		[Clear Cell Focus TGLS = 3-6]	
		[Mixed Cell Focus TGLS = 3-6]	
* Lung		Infiltration Cellular	Histiocyte, Moderate
		[Infiltration Cellular TGLS = 4-2]	
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 311	TRT#: 7	SEX: Female	DAY ON TEST: 729
	DOSE: 0.33 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82878

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 6-1]	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 312

TRT#: 7

SEX: Female

DAY ON TEST: 451

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus	Vagina	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Bone Marrow		Lymphoma Malignant	
* Intestine Large, Cecum		Lymphoma Malignant	
* Kidney	Renal Tubule	Dilatation	Mild
	Renal Tubule	Pigmentation	Minimal
[Dilatation TGLS = 5-5]			
* Liver	Hepatocyte	Basophilic Focus	
		Cytomegaly	Mild
		Lymphoma Malignant	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 7-22]			
[Lymphoma Malignant TGLS = 4-21]			
* Lymph Node, Mandibular		Lymphoma Malignant	
Note: NECROSIS IN MANDIBULAR LYMPH NODE CONSIDERED SECONDARY TO MALIGNANT LYMPHOMA.			
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Mammary Gland		Hyperplasia	Mild
* Ovary		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 3-6]			
* Thyroid Gland		Ultimobranchial Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 312

TRT#: 7

SEX: Female

DAY ON TEST: 451

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79241

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 313

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82879

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Thymus	* Trachea	* Urinary Bladder
Vagina			

MISSING

* Stomach, Forestomach	* Stomach, Glandular
------------------------	----------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Brain		Compression	Moderate
[Compression TGLS = 6-1]			
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
		Angiectasis	Mild
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Infiltration Cellular	Mixed Cell, Mild
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Marked
Mesentery		Sarcoma Stromal	Metastatic (Uterus)
[Sarcoma Stromal TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Hematopoietic Cell Proliferation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 313

TRT#: 7
DOSE: 0.33 MG/KG/DY

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 98-82879

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland
* Uterus

C Cell

Pigmentation
Hyperplasia
Sarcoma Stromal

Mild
Minimal

[Sarcoma Stromal TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 314

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82880

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain		Compression	Minimal
[Compression TGLS = 2-1]			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 6-6]			
[Mixed Cell Focus TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 7-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Fibrosis	Moderate
		Pigmentation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 314

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82880

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 4-6]

[Pigmentation TGLS = 4-6]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 315

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 4-22]			
* Kidney	Renal Tubule	Hyaline Droplet	Moderate
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Clear Cell Focus	
		Cytomegaly	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 1-6]			
[Clear Cell Focus TGLS = 1-6]			
[Mixed Cell Focus TGLS = 1-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 3-21]			
[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 315

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82881

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 316

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82882

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 317

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	Marked
[Compression TGLS = 6-1]			
* Kidney	Renal Tubule	Hyaline Droplet	Moderate
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver	Hepatocyte	Cytomegaly	Mild
		Hepatocellular Carcinoma	
	Hepatocyte	Hyperplasia	Regenerative, Moderate
		Infiltration Cellular	Mixed Cell, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Hepatocellular Carcinoma TGLS = 1-21]			
[Vacuolization Cytoplasmic TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Lym Node Mesen			
Note: MILD ECTASIA IN MESENTERIC LYMPH NODE.			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 317	TRT#: 7	SEX: Female	DAY ON TEST: 731
	DOSE: 0.33 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82534

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Carcinoma Fibroadenoma Hyperplasia	Marked
[Carcinoma TGLS = 3-22] [Fibroadenoma TGLS = 4-23] [Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 318

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Atrophy Degeneration	Moderate Fatty, Minimal
[Atrophy TGLS = 4-10]			
* Clitoral Gland		Inflammation	Chronic, Mild
* Kidney	Renal Tubule	Nephropathy Pigmentation	Minimal Minimal
* Liver	Hepatocyte	Basophilic Focus Clear Cell Focus Cytomegaly Hemangiosarcoma Infiltration Cellular	Mild Mixed Cell, Mild
[Basophilic Focus TGLS = 3-6]			
[Clear Cell Focus TGLS = 3-6]			
[Hemangiosarcoma TGLS = 2-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mesenteric		Pigmentation	Mild
Oviduct			
Note: MULTILOCULAR CYST INVOLVING OVIDUCT; NOT TABULATED ON TDMS.			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 318

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82535

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-1]

* Spleen

Pigmentation

Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 319

TRT#: 7

SEX: Female

DAY ON TEST: 630

DOSE: 0.33 MG/KG/DY

DISP: Natural Death

HISTO: 97-81785

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 320

TRT#: 7

DOSE: 0.33 MG/KG/DY

SEX: Female

DISP: Dosing Accident

DAY ON TEST: 657

HISTO: 98-81930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Angiectasis	Moderate
		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Mild
	Hepatocyte	Hepatodiaphragmatic Nodule	
		Hyperplasia	Regenerative, Mild
	[Angiectasis TGLS = 5-23]		
	[Basophilic Focus TGLS = 6-6]		
	[Clear Cell Focus TGLS = 6-6]		
	[Hepatodiaphragmatic Nodule TGLS = 4-22]		
* Lung		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Minimal
	[Hemorrhage TGLS = 8-2]		
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
	[Fibroadenoma TGLS = 2-21]		
	[Hyperplasia TGLS = 1-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 320	TRT#: 7	SEX: Female	DAY ON TEST: 657
	DOSE: 0.33 MG/KG/DY	DISP: Dosing Accident	HISTO: 98-81930

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Intermed	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
	[Angiectasis TGLS = 9-1]		
	[Angiectasis TGLS = 9-1]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	
	[Adenoma TGLS = 7-3]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 321

TRT#: 7

SEX: Female

DAY ON TEST: 697

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82883

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-3]			
* Brain		Compression	Moderate
		Hydrocephalus	Moderate
[Compression TGLS = 3-1]			
* Clitoral Gland		Cyst	Moderate
		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-6]			
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Mild
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 321	TRT#: 7	SEX: Female	DAY ON TEST: 697
	DOSE: 0.33 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 98-82883

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-7]			
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 10-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Uterus		Hydrometra	Moderate
[Hydrometra TGLS = 8-7]			

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 322

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 10-26]			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Nephropathy	Mild
		Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Clear Cell Focus	
		Cytomegaly	Mild
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Mixed Cell, Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 5-6]			
[Clear Cell Focus TGLS = 5-6]			
[Hepatodiaphragmatic Nodule TGLS = 7-25]			
[Mixed Cell Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Marked
[Hemorrhage TGLS = 6-3]			
[Pigmentation TGLS = 6-3]			
* Lymph Node, Mesenteric		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 322	TRT#: 7	SEX: Female	DAY ON TEST: 731
	DOSE: 0.33 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82536

ORGAN AND ACCOUNTABLE SITE STATUS

Note: NUMEROUS MAST CELLS AND MILD LYMPHOID HYPERPLASIA IN MESENTERIC LYMPH NODE; NOT TABULATED.

* Mammary Gland		Fibroadenoma Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-22]			
[Hyperplasia TGLS = 2-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-23,4-24]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Spleen		Congestion Pigmentation	Mild Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 323

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone	Femur	Osteopetrosis	Moderate
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-8]			
* Kidney	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Minimal
* Liver	Hepatocyte	Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 1-6]		Cytomegaly	Minimal
[Clear Cell Focus TGLS = 1-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 6-2-1]			
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 5-22]			
[Hyperplasia TGLS = 4-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 323	TRT#: 7	SEX: Female	DAY ON TEST: 731
	DOSE: 0.33 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82537

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 324

TRT#: 7

SEX: Female

DAY ON TEST: 686

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82884

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
		Necrosis	Mild
* Bone	Cranium	Osteopetrosis	Marked
	Femur	Osteopetrosis	Marked
			[Osteopetrosis TGLS = 4-22]
* Clitoral Gland		Adenoma	
			[Adenoma TGLS = 4-22]
* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver		Leukemia Mononuclear	
		Necrosis	Focal, Minimal
			[Leukemia Mononuclear TGLS = 2-6]
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Congestion	Minimal
	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Moderate
			[Hyperplasia TGLS = 3-8]
Mesentery	Fat	Necrosis	Moderate
			[Necrosis TGLS = 1-21]
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 324	TRT#: 7	SEX: Female	DAY ON TEST: 686
	DOSE: 0.33 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 98-82884

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 5-1]	Pars Distalis	Cyst	Moderate
* Spleen		Leukemia Mononuclear Pigmentation	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 325

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82538

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 5-1]

Pars Distalis

Adenoma

* Spleen

Pigmentation

Moderate

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 326

TRT#: 7

SEX: Female

DAY ON TEST: 581

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-10]			
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 5-21]			
[Leukemia Mononuclear TGLS = 4-6]			
[Mixed Cell Focus TGLS = 6-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-21]			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Leukemia Mononuclear	
		Pigmentation	Mild
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 326

TRT#: 7

SEX: Female

DAY ON TEST: 581

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80790

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Hyperplasia

Focal, Moderate

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-6]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 327

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82885

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Focal, Minimal
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-8]			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Clear Cell Focus	
		Cytomegaly	Mild
		Infiltration Cellular	Mixed Cell, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6]			
[Clear Cell Focus TGLS = 2-6]			
[Mixed Cell Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Minimal
	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 3-8]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
[Angiectasis TGLS = 4-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 327	TRT#: 7	SEX: Female	DAY ON TEST: 729
	DOSE: 0.33 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82885

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 328

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82886

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Kidney	Renal Tubule	Hyaline Droplet	Mild
	Renal Tubule	Infarct	Mild
		Pigmentation	Minimal
Note: FOCUS OF MINERALIZATION IN RENAL MEDULLA; POSSIBLY SECONDARY TO INFARCT.			
[Infarct TGLS = 7-23]			
[Pigmentation TGLS = 6-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Minimal
		Eosinophilic Focus	
[Basophilic Focus TGLS = 5-6]			
[Clear Cell Focus TGLS = 5-6]			
[Eosinophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21,8-24]			
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 328

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82886

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 4-22]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 9-8]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
[Angiectasis TGLS = 3-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 329

TRT#: 7

SEX: Female

DAY ON TEST: 576

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 2-6]			
[Clear Cell Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-22]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 330

TRT#: 7

DOSE: 0.33 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 98-82887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 3-21]			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Mild
		Eosinophilic Focus	
	Hepatocyte	Hyperplasia	Regenerative, Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6]			
[Clear Cell Focus TGLS = 2-6]			
[Eosinophilic Focus TGLS = 2-6]			
[Mixed Cell Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 330

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82887

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Pigmentation
Adenoma

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 331

TRT#: 7

SEX: Female

DAY ON TEST: 680

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia Hypertrophy	Fatty, Moderate Focal, Mild Focal, Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Angiectasis	Moderate
	Hepatocyte	Basophilic Focus Cytomegaly Eosinophilic Focus Hepatodiaphragmatic Nodule Mixed Cell Focus	Moderate
<p>Note: SOME OF THE ANGIECTATIC SPACES ARE DEVOID OF ERYTHROCYTES. Note: MIXED CL FOCUS IS ON SLIDE 24. [Angiectasis TGLS = 5-23] [Basophilic Focus TGLS = 4-6] [Eosinophilic Focus TGLS = 4-6] [Hepatodiaphragmatic Nodule TGLS = 7-24] [Mixed Cell Focus TGLS = 4-6]</p>			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		[Infiltration Cellular TGLS = 6-2]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 331	TRT#: 7	SEX: Female	DAY ON TEST: 680
	DOSE: 0.33 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 98-82888

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Mammary Gland		Fibroadenoma Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-22]			
* Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Moderate Focal, Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Moderate Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 332

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone	Femur	Osteopetrosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-22]			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Moderate
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-6]			
[Clear Cell Focus TGLS = 5-6]			
[Eosinophilic Focus TGLS = 5-6]			
[Infiltration Cellular TGLS = 5-6]			
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 332	TRT#: 7	SEX: Female	DAY ON TEST: 729
	DOSE: 0.33 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82889

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-21,3-23]		Hyperplasia	Mild
[Hyperplasia TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 333

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82890

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Uterus

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
	[Basophilic Focus TGLS = 2-6]		
	[Eosinophilic Focus TGLS = 2-6]		
	[Leukemia Mononuclear TGLS = 2-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
	[Fibroadenoma TGLS = 3-21]		
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-6]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Urinary Bladder		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 333

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82890

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 334

TRT#: 7

DOSE: 0.33 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 98-82891

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Clear Cell Focus	
		Cytomegaly	Mild
		Degeneration	Cystic, Moderate
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6]			
[Clear Cell Focus TGLS = 4-6]			
[Degeneration TGLS = 5-22]			
[Mixed Cell Focus TGLS = 4-6,5-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Carcinoma	
		Hyperplasia	Minimal
[Carcinoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 334	TRT#: 7	SEX: Female	DAY ON TEST: 729
	DOSE: 0.33 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82891

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 6-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 335

TRT#: 7

SEX: Female

DAY ON TEST: 463

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	Ureter	* Urinary Bladder	Vagina

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Kidney	Renal Tubule	Dilatation	Mild
		Hydronephrosis	Mild
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
[Hydronephrosis TGLS = 4-5]			
* Liver	Kupffer Cell	Leukemia Mononuclear	
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Marked
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-22]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Moderate
[Angiectasis TGLS = 7-1]			
* Saliv Glands			
Note: PAROTID GLAND APPEARS ATROPHIED; CONSIDERED SECONDARY TO CACHEXIA AND NOT CODED.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 335	TRT#: 7	SEX: Female	DAY ON TEST: 463
	DOSE: 0.33 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-79277

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 3-6]		Leukemia Mononuclear	
* Thyroid Gland Ureter Note: TGL 1 IS URETER- DILATATION, MODERATE; MORPHOLOGY NOT AVAILABLE ON TDMS.	C Cell	Hyperplasia	Minimal
* Uterus [Sarcoma Stromal TGLS = 2-23] Vagina Note: INCREASED DIFFUSE CELLULARITY (SMALL FUSIFORM CELLS) IN SUBMUCOSA, POSSIBLY SECONDARY TO UTERINE STROMAL SARCOMA; NOT CODED ON TDMS.		Sarcoma Stromal	

PRIMARY CAUSE OF DEATH	- Uterus	Sarcoma Stromal
CONTRIBUTORY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 336

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82892

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Bone Marrow		Hyperplasia	Moderate
* Brain		Compression	Moderate
		Hydrocephalus	Mild
[Compression TGLS = 7-1]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyaline Droplet	Moderate
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
[Pigmentation TGLS = 6-5]			
* Liver	Hepatocyte	Cholangiocarcinoma	
		Cytomegaly	Moderate
		Eosinophilic Focus	
	Hepatocyte	Hyperplasia	Regenerative, Marked
	Kupffer Cell	Pigmentation	Mild
[Cholangiocarcinoma TGLS = 3-6]			
[Hyperplasia TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Moderate
	Pancreatic	Pigmentation	Mild
Note: Lymph Node, Mediastinal is missing.			
[Hyperplasia TGLS = 5-7]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 336	TRT#: 7	SEX: Female	DAY ON TEST: 730
	DOSE: 0.33 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82892

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma Hyperplasia	Moderate
[Fibroadenoma TGLS = 4-21] [Hyperplasia TGLS = 1-8]			
Mesentery			
Note: Lymph Node, Mediastinal is missing.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Spleen		Hematopoietic Cell Proliferation Hyperplasia	Minimal Stromal, Moderate
Note: TGL 2-6-1 CONSISTS OF A LARGE FOCUS OF LYMPHOHISTIOCYTIC CELLS; NOT TABULATED ON TDMS.			
* Uterus		Hydrometra	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 337

TRT#: 7

SEX: Female

DAY ON TEST: 658

DOSE: 0.33 MG/KG/DY

DISP: Dosing Accident

HISTO: 98-81931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Esophagus

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Cyst	Moderate
[Cyst TGLS = 1-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Basophilic Focus	
		Cytomegaly	Mild
		Mixed Cell Focus	
Note: MODERATE LIVER CONGESTION; NOT TABULATED.			
[Basophilic Focus TGLS = 4-6]			
[Mixed Cell Focus TGLS = 4-6]			
* Lung		Hemorrhage	Marked
		Infiltration Cellular	Histiocyte, Mild
[Hemorrhage TGLS = 3-2]			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 2-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 337	TRT#: 7	SEX: Female	DAY ON TEST: 658
	DOSE: 0.33 MG/KG/DY	DISP: Dosing Accident	HISTO: 98-81931

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Pigmentation	Moderate
* Uterus		Adenoma	
		Inflammation	Chronic, Marked

Note: TGL 5 IS AN ABSCESS.
[Inflammation TGLS = 5-7]

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 338

TRT#: 7

SEX: Female

DAY ON TEST: 671

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-81942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-7]			
* Kidney	Renal Tubule	Hyaline Droplet	Moderate
	Renal Tubule	Pigmentation	Moderate
* Liver		Hemangiosarcoma	
	Hepatocyte	Hyperplasia	Atypical, Marked
	Kupffer Cell	Leukemia Mononuclear	
[Hyperplasia TGLS = 2-21,3-22]		Pigmentation	Marked
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 339

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82893

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Bone	Femur	Osteopetrosis	Mild
* Brain		Compression	Marked
		Hydrocephalus	Moderate
[Compression TGLS = 5-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
* Liver	Hepatocyte	Eosinophilic Focus	
		Hyperplasia	Regenerative, Moderate
		Infiltration Cellular	Mixed Cell, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Necrosis	Focal, Minimal
[Hyperplasia TGLS = 3-6]			
[Leukemia Mononuclear TGLS = 3-6]			
[Mixed Cell Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 339	TRT#: 7	SEX: Female	DAY ON TEST: 730
	DOSE: 0.33 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82893

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 4-1]	Pars Distalis	Adenoma	
* Spleen [Hematopoietic Cell Proliferation TGLS = 2-6] [Leukemia Mononuclear TGLS = 2-6]		Hematopoietic Cell Proliferation Leukemia Mononuclear Pigmentation	Minimal Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 340	TRT#: 7	SEX: Female	DAY ON TEST: 730
	DOSE: 0.33 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82894

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hydrometra	Moderate
[Hydrometra TGLS = 5-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 341

TRT#: 7

SEX: Female

DAY ON TEST: 654

DOSE: 0.33 MG/KG/DY

DISP: Dosing Accident

HISTO: 98-81932

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-6]

Pigmentation

Mild

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 342

TRT#: 7

SEX: Female

DAY ON TEST: 656

DOSE: 0.33 MG/KG/DY

DISP: Natural Death

HISTO: 98-81933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Mild
* Bone Marrow		Hyperplasia	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Mild
	Hepatocyte	Hyperplasia	Regenerative, Moderate
	[Basophilic Focus TGLS = 4-6]		
	[Clear Cell Focus TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1-21,2-22,3-23]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 7-1]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 343

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82895

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain		Compression	Moderate
		Hydrocephalus	Mild
[Compression TGLS = 7-1]			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Angiectasis	Moderate
		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Mild
[Angiectasis TGLS = 8-23]			
[Basophilic Focus TGLS = 4-6]			
[Clear Cell Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21,2-22]			
[Hyperplasia TGLS = 3-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 343	TRT#: 7	SEX: Female	DAY ON TEST: 730
	DOSE: 0.33 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82895

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Cyst	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 344

TRT#: 7

SEX: Female

DAY ON TEST: 619

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-81367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	Vagina	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-10]			
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Leukemia Mononuclear	
		Necrosis	Focal, Minimal
	Kupffer Cell	Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Mild
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-21]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 344

TRT#: 7

SEX: Female

DAY ON TEST: 619

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-81367

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-6]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 345

TRT#: 7

SEX: Female

DAY ON TEST: 686

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82896

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Marked
		Hydrocephalus	Moderate
[Compression TGLS = 9-1]			
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 6-6]			
[Eosinophilic Focus TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
Lymph Node	Iliac	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 345

TRT#: 7

SEX: Female

DAY ON TEST: 686

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82896

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Pigmentation	Mild
	Renal	Pigmentation	Marked
Note: BLACK PIGMENT IN ILIAC LYMPH NODE; POSSIBLY FROM TAIL TATTOO.			
	[Leukemia Mononuclear TGLS = 4-7]		
	[Leukemia Mononuclear TGLS = 7-22]		
	[Leukemia Mononuclear TGLS = 8-23]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		Hyperplasia	Moderate
	[Carcinoma TGLS = 2-21]		
	[Fibroadenoma TGLS = 11-24]		
	[Hyperplasia TGLS = 1-8]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 10-1]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Uterus		Hydrometra	Mild
		Polyp Stromal	
	[Polyp Stromal TGLS = 3-7]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
 CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Carcinoma; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 346

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82897

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	Mesentery
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Mild
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Minimal
* Liver	Hepatocyte	Basophilic Focus	
	Hepatocyte	Cytomegaly	Mild
	Hepatocyte	Eosinophilic Focus	
		Hyperplasia	Regenerative, Mild
		Infiltration Cellular	Mixed Cell, Mild
		Mixed Cell Focus	
[Hyperplasia TGLS = 3-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
[Alveolar/Bronchiolar Adenoma TGLS = 5-23]			
[Infiltration Cellular TGLS = 4-2]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
Mesentery			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:06
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 346

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82897

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 2-22 IS A CYSTIC AREA LINED WITH ENDOTHELIUM CONTAINING NECROTIC ERYTHROCYTES; NOT TABULATED ON TDMS.

* Pituitary Gland

Pars Distalis

Angiectasis

Mild

Pars Distalis

Cyst

Moderate

Pars Distalis

Hyperplasia

Focal, Moderate

[Angiectasis TGLS = 6-1]

* Spleen

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:06

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 347

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82898

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain		Compression	Marked
		Hydrocephalus	Mild
[Compression TGLS = 6-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Mixed Cell, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6]			
[Mixed Cell Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Pigmentation	Mild
* Lymph Node, Mesenteric		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21,2-22,3-23]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 347	TRT#: 7	SEX: Female	DAY ON TEST: 729
	DOSE: 0.33 MG/KG/DY	DISP: Terminal Sacrifice	HISTO: 98-82898

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-1]

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 348

TRT#: 7

DOSE: 0.33 MG/KG/DY

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 98-82899

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone	Cranium	Osteopetrosis	Marked
	Femur	Osteopetrosis	Marked
	[Osteopetrosis TGLS = 7-23]		
* Brain		Hydrocephalus	Mild
* Clitoral Gland	Bilateral	Adenoma	
	[Adenoma TGLS = 2-8]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Cytomegaly	Mild
		Hepatocellular Adenoma	Multiple
		Hepatodiaphragmatic Nodule	
	Hepatocyte	Hyperplasia	Regenerative, Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	

Note: CLEAR CL FOCUS IS ON SLIDE 22.

Note: HEPATOCLR ADEN PRESENT ON SLIDES 6 AND 22.

[Basophilic Focus TGLS = 4-6]

[Clear Cell Focus TGLS = 6-22]

[Hepatocellular Adenoma TGLS = 6-22]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 348

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82899

ORGAN AND ACCOUNTABLE SITE STATUS

[Hepatodiaphragmatic Nodule TGLS = 5-21]

[Hyperplasia TGLS = 4-6]

[Leukemia Mononuclear TGLS = 4-6]

[Mixed Cell Focus TGLS = 4-6]

* Lung

Congestion

Mild

Hemorrhage

Mild

Infiltration Cellular

Histiocyte, Mild

Pigmentation

Mild

Hyperplasia

Mild

Lymph Node

Mediastinal

* Mammary Gland

[Hyperplasia TGLS = 1-8]

* Pituitary Gland

Pars Distalis

[Hyperplasia TGLS = 8-1]

Hyperplasia

Focal, Mild

* Spleen

Hematopoietic Cell Proliferation

Mild

Leukemia Mononuclear

Pigmentation

Mild

[Hematopoietic Cell Proliferation TGLS = 3-6]

[Leukemia Mononuclear TGLS = 3-6]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 349

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.33 MG/KG/DY

DISP: Terminal Sacrifice

HISTO: 98-82900

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-21,2-22]		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Pigmentation	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 350

TRT#: 7

SEX: Female

DAY ON TEST: 602

DOSE: 0.33 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-81074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Brain | * Esophagus | * Heart |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose | * Ovary |
| * Parathyroid Gland | * Salivary Glands | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------------------|-----------------------|-------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | | Hyperplasia | Mild |
| | | Inflammation | Chronic, Moderate |
| * Intestine Large, Cecum | | Edema | Moderate |
| * Kidney | Renal Tubule | Hyaline Droplet | Mild |
| | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| * Liver | Renal Tubule | Pigmentation | Mild |
| | Kupffer Cell | Leukemia Mononuclear | |
| | | Pigmentation | Mild |
| | [Leukemia Mononuclear TGLS = 4-6] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Mild |
| | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 10-24] | | |
| | [Leukemia Mononuclear TGLS = 9-23] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 6-5] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 350	TRT#: 7	SEX: Female	DAY ON TEST: 602
	DOSE: 0.33 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-81074

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-5] Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-22] * Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-22] * Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Cyst Leukemia Mononuclear	Moderate
[Adenoma TGLS = 11-1] * Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 1-21] * Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6] * Stomach, Forestomach	Epithelium	Hyperplasia Leukemia Mononuclear	Mild
* Stomach, Glandular		Erosion	Minimal
* Thymus Note: LEUKEMIA MONUC IS PRESENT ON SLIDES 3 AND 24.		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-3] * Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 8-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 488

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver	Hepatocyte	Hemangiosarcoma	
	[Hemangiosarcoma TGLS = 6-6,7-21]	Hyperplasia	Regenerative, Moderate
* Lung		Hemangiosarcoma	Metastatic (Liver)
	[Hemangiosarcoma TGLS = 10-2]	Hemorrhage	Moderate
	[Hemorrhage TGLS = 10-2]	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLS = 10-2]		
Lymph Node	Mediastinal	Congestion	Marked
	Mediastinal	Hemorrhage	Marked
	Mediastinal	Pigmentation	Moderate
	[Congestion TGLS = 9-23]		
	[Hemorrhage TGLS = 9-23]		
	[Pigmentation TGLS = 9-23]		
Skeletal Muscle		Hemorrhage	Moderate
	[Hemorrhage TGLS = 8-22]		
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLS = 4-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 351	TRT#: 8	SEX: Female	DAY ON TEST: 488
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79639

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach [Hyperplasia TGLS = 11-4]	Epithelium	Hyperplasia	Minimal
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PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 552

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-80442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hemangiosarcoma	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Moderate
	[Hemangiosarcoma TGLS = 5-21]		
	[Hyperplasia TGLS = 4-6]		
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Moderate
	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Moderate
	[Hemangiosarcoma TGLS = 7-23]		
	[Hemorrhage TGLS = 7-23]		
	[Hyperplasia TGLS = 9-23]		
	[Infiltration Cellular TGLS = 7-23]		
Lymph Node	Mediastinal	Hemorrhage	Marked
	Mediastinal	Pigmentation	Mild
	[Hemorrhage TGLS = 6-22]		
	[Pigmentation TGLS = 6-22]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 352	TRT#: 8	SEX: Female	DAY ON TEST: 552
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-80442

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-7]			
* Mammary Gland		Hyperplasia	Minimal
Mesentery		Hemangiosarcoma	Metastatic (Liver)
[Hemangiosarcoma TGLS = 10-24]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 8-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-6]			
* Stomach, Glandular		Ulcer	Moderate
[Ulcer TGLS = 11-25]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
		Ultimobranchial Cyst	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 581

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Peripheral Nerve
* Salivary Glands	* Skin	Spinal Cord	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Mild
* Bone Marrow		Hyperplasia	Moderate
* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver	Hepatocyte	Hemangiosarcoma	Regenerative, Marked
		Hyperplasia	
Note: HEMANGIOSARC IS ALSO PRESENT ON SLIDE 6.			
		[Hemangiosarcoma TGLS = 2-21]	
		[Hyperplasia TGLS = 1-6]	
* Lung		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Minimal
		[Hemorrhage TGLS = 5-23]	
Lymph Node	Mediastinal	Hemorrhage	Moderate
		[Hemorrhage TGLS = 3-22]	
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Stomach, Glandular		Erosion	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 354

TRT#: 8

SEX: Female

DAY ON TEST: 528

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Mild
* Liver		Hemangiosarcoma	Multiple
		Hemorrhage	Moderate
	Hepatocyte	Hyperplasia	Regenerative, Moderate
		Leukemia Mononuclear	
[Hemangiosarcoma TGLS = 1-21,2-6]			
[Hemorrhage TGLS = 2-6]			
[Hyperplasia TGLS = 2-6]			
[Leukemia Mononuclear TGLS = 2-6]			
* Lung	Alveolar Epith	Hemangiosarcoma	Metastatic (Liver)
		Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
[Infiltration Cellular TGLS = 4-2]			
[Leukemia Mononuclear TGLS = 4-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 354	TRT#: 8	SEX: Female	DAY ON TEST: 528
	DOSE: 1.0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-80138

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node [Leukemia Mononuclear TGLS = 5-22]	Mediastinal	Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen [Leukemia Mononuclear TGLS = 3-6]		Leukemia Mononuclear	
* Stomach, Glandular		Ulcer	Minimal

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Liver Hemangiosarcoma; Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 355

TRT#: 8

SEX: Female

DAY ON TEST: 461

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Mild
* Bone Marrow		Hyperplasia	Mild
* Liver	Hepatocyte	Basophilic Focus	
		Cytomegaly	Mild
		Eosinophilic Focus	
		Hemangiosarcoma	Multiple
		Hematopoietic Cell Proliferation	Mild
	Hepatocyte	Hyperplasia	Regenerative, Marked
		[Eosinophilic Focus TGLS = 4-22,5-23]	
		[Hemangiosarcoma TGLS = 4-22,5-23]	
		[Hyperplasia TGLS = 3-6]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Congestion	Marked
	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-21]	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Glandular		Erosion	Minimal

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 355

TRT#: 8

SEX: Female

DAY ON TEST: 461

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79278

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 356

TRT#: 8

SEX: Female

DAY ON TEST: 469

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
		Hemangiosarcoma	Multiple
	Hepatocyte	Hepatodiaphragmatic Nodule	
		Hyperplasia	Regenerative, Moderate
		Leukemia Mononuclear	
	[Basophilic Focus TGLS = 4-6]		
	[Hemangiosarcoma TGLS = 5-21,7-23]		
	[Hepatodiaphragmatic Nodule TGLS = 6-22]		
	[Hyperplasia TGLS = 4-6]		
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 1-8]		
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 356	TRT#: 8	SEX: Female	DAY ON TEST: 469
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79442

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
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[Hematopoietic Cell Proliferation TGLS = 3-6]
[Leukemia Mononuclear TGLS = 3-6]

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 357

TRT#: 8

SEX: Female

DAY ON TEST: 503

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Moderate
* Clitoral Gland		Adenoma	
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver	Hepatocyte	Cytomegaly	Mild
		Hemangiosarcoma	Multiple
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Necrosis	Focal, Mild
	[Hemangiosarcoma TGLS = 3-6,2-21]		
	[Hyperplasia TGLS = 3-6]		
	[Necrosis TGLS = 3-6]		
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Marked
		Infiltration Cellular	Histiocyte, Marked
	[Hemangiosarcoma TGLS = 5-2]		
	[Hemorrhage TGLS = 5-2]		
	[Infiltration Cellular TGLS = 5-2]		
Lymph Node	Mediastinal	Congestion	Mild
	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 357	TRT#: 8	SEX: Female	DAY ON TEST: 503
	DOSE: 1.0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-79918

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hematopoietic Cell Proliferation	Marked
	Pigmentation	Moderate
[Hematopoietic Cell Proliferation TGLS = 4-6]		
* Uterus	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 358

TRT#: 8

DOSE: 1.0 MG/KG/DY

SEX: Female

DISP: Natural Death

DAY ON TEST: 423

HISTO: 97-79052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
Peripheral Nerve	* Salivary Glands	* Skin	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Liver	Hepatocyte	Cytomegaly	Moderate
		Hemangiosarcoma	Multiple
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Necrosis	Focal, Moderate
	[Hemangiosarcoma TGLS = 5-6,6-21,7-22]		
	[Hyperplasia TGLS = 4-6]		
	[Necrosis TGLS = 4-6]		
* Lung		Edema	Marked
		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Marked
		Infiltration Cellular	Histiocyte, Marked
	[Edema TGLS = 9-2]		
	[Hemangiosarcoma TGLS = 10-2]		
	[Hemorrhage TGLS = 9-2]		
	[Infiltration Cellular TGLS = 9-2,10-2]		
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Moderate
	[Hemorrhage TGLS = 11-23]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 358	TRT#: 8	SEX: Female	DAY ON TEST: 423
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79052

ORGAN AND ACCOUNTABLE SITE STATUS

[Pigmentation TGLS = 11-23]			
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
[Hematopoietic Cell Proliferation TGLS = 3-6]			

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 541

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-80240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Necrosis	Moderate
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Moderate
		Hemangiosarcoma	Multiple
		Hepatodiaphragmatic Nodule	
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 7-23]		
	[Hemangiosarcoma TGLS = 5-6,6-22]		
	[Hepatodiaphragmatic Nodule TGLS = 7-23]		
	[Mixed Cell Focus TGLS = 7-23]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Note: FOCUS OF GLANDULAR TISSUE WITHIN LUNG PARENCHYMA; CONSIDERED SECTIONING ARTIFACT.			
Lymph Node	Mediastinal	Congestion	Moderate
	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 359	TRT#: 8	SEX: Female	DAY ON TEST: 541
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-80240

ORGAN AND ACCOUNTABLE SITE STATUS

[Congestion TGLS = 10-24]			
[Hemorrhage TGLS = 10-24]			
[Pigmentation TGLS = 10-24]			
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Uterus		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 4-7]			

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 360

TRT#: 8

SEX: Female

DAY ON TEST: 522

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-80085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Moderate
		Eosinophilic Focus	
		Hemangiosarcoma	
	Bile Duct	Hepatocellular Adenoma	
	Hepatocyte	Hyperplasia	Mild
		Hyperplasia	Regenerative, Marked
		Necrosis	Focal, Minimal
	[Hemangiosarcoma TGLS = 5-22]		
	[Hyperplasia TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 2-21]		
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 360	TRT#: 8	SEX: Female	DAY ON TEST: 522
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-80085

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
[Angiectasis TGLS = 6-1]			
[Hyperplasia TGLS = 6-1]			
* Spleen		Pigmentation	Moderate
PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma		
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 361

TRT#: 8

SEX: Female

DAY ON TEST: 587

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney	Renal Tubule	Hyaline Droplet	Mild
	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Mild
		Eosinophilic Focus	
		Hemangiosarcoma	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Mixed Cell Focus	
		Necrosis	Focal, Moderate
	[Hemangiosarcoma TGLS = 1-21]		
	[Hyperplasia TGLS = 6-6]		
	[Necrosis TGLS = 6-6]		
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
	[Hemangiosarcoma TGLS = 7-2]		
	[Hemorrhage TGLS = 7-2]		
	[Infiltration Cellular TGLS = 7-2]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 361	TRT#: 8	SEX: Female	DAY ON TEST: 587
	DOSE: 1.0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-80620

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Moderate
[Hemorrhage TGLS = 8-3]			
[Pigmentation TGLS = 8-3]			
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 5-6]			
* Stomach, Glandular		Erosion	Mild
		Ulcer	Moderate
[Erosion TGLS = 9-4]			
[Ulcer TGLS = 9-4]			
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 362

TRT#: 8

SEX: Female

DAY ON TEST: 461

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Liver	Hepatocyte	Basophilic Focus	
	Hepatocyte	Cytomegaly	Mild
		Hemangiosarcoma	
		Hyperplasia	Regenerative, Moderate
[Hemangiosarcoma TGLS = 2-6]			
[Hyperplasia TGLS = 1-6,2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Marked
	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelline
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 363

TRT#: 8

SEX: Female

DAY ON TEST: 393

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Liver	Hepatocyte	Clear Cell Focus Cytomegaly Eosinophilic Focus Hemangiosarcoma Hemorrhage	Mild Multiple Moderate
	Hepatocyte	Hyperplasia Infiltration Cellular Necrosis	Regenerative, Moderate Mixed Cell, Minimal Focal, Marked
<p>Note: EOSIN FOCUS IS ON SLIDE 22. [Hemangiosarcoma TGLS = 5-22] [Hyperplasia TGLS = 3-21] [Necrosis TGLS = 5-22]</p>			
* Lung	Mediastinal	Infiltration Cellular	Histiocyte, Mild
Lymph Node		Congestion	Mild
* Mammary Gland		Hyperplasia	Minimal
* Spleen		Congestion	Mild
		Pigmentation	Moderate
* Thymus		Hemorrhage	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 363

TRT#: 8

SEX: Female

DAY ON TEST: 393

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79004

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 364

TRT#: 8

SEX: Female

DAY ON TEST: 573

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Hemangiosarcoma	
	Hepatocyte	Hepatocellular Carcinoma	
		Hyperplasia	Regenerative, Marked
		[Hemangiosarcoma TGLS = 2-22]	
		[Hepatocellular Carcinoma TGLS = 1-21]	
		[Hyperplasia TGLS = 3-6]	
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 5-1]	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
		Ultimobranchial Cyst	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hemangiosarcoma; Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 365

TRT#: 8

SEX: Female

DAY ON TEST: 400

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Mild
* Kidney	Renal Tubule	Dilatation	Mild
	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Leukemia Mononuclear	
		Necrosis	Focal, Moderate
		[Hyperplasia TGLS = 4-6]	
		[Leukemia Mononuclear TGLS = 4-6]	
		[Necrosis TGLS = 4-6]	
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
		[Angiectasis TGLS = 5-1]	
* Saliv Glands			
Note: SEVERAL MILDLY DILATED DUCTS CONTAINING EOSINOPHILIC SECRETION IN PAROTID GLAND; NOT CODED ON TDMS.			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 365	TRT#: 8	SEX: Female	DAY ON TEST: 400
	DOSE: 1.0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-79009

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-6]		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocyte Hyperplasia

Animal Note: NECROSIS INVOLVING MENSENTERIC AND MANDIBULAR LYMPH NODES AND ADRENAL GLAND; CONSIDERED SECONDARY TO LEUKEMIA MONUC.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 366

TRT#: 8

SEX: Female

DAY ON TEST: 476

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Mild
* Liver	Hepatocyte	Cytomegaly	Mild
		Eosinophilic Focus	
		Hemangiosarcoma	
	Hepatocyte	Hyperplasia	Regenerative, Moderate
	Kupffer Cell	Pigmentation	Mild
	[Eosinophilic Focus TGLS = 4-21]		
	[Hemangiosarcoma TGLS = 4-21]		
	[Hyperplasia TGLS = 4-22]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is normal.			
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Cyst	Moderate
Skeletal Muscle		Hemorrhage	Moderate
	[Hemorrhage TGLS = 2-23]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 367

TRT#: 8

SEX: Female

DAY ON TEST: 668

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 98-82901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hypertrophy	Focal, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-23]			
* Brain		Compression	Marked
		Hydrocephalus	Moderate
[Compression TGLS = 7-1]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-1]			
* Kidney	Renal Tubule	Hyaline Droplet	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
* Liver		Angiectasis	Moderate
		Eosinophilic Focus	
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Leukemia Mononuclear	
[Eosinophilic Focus TGLS = 2-6]			
[Hyperplasia TGLS = 2-6]			
[Leukemia Mononuclear TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 367	TRT#: 8	SEX: Female	DAY ON TEST: 668
	DOSE: 1.0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 98-82901

ORGAN AND ACCOUNTABLE SITE STATUS

		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Mild
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 5-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
 CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocyte Hyperplasia;Lung Leukemia Mononuclear;Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 368

TRT#: 8

SEX: Female

DAY ON TEST: 350

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-78920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Intestine Small, Ileum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver	Hepatocyte	Cytomegaly	Moderate
	Hepatocyte	Hemangiosarcoma	Multiple
		Hyperplasia	Regenerative, Marked
Note: HDN NOT EVIDENT ON SLIDE 21.			
[Hemangiosarcoma TGLS = 2-6,3-21,8-23]			
[Hyperplasia TGLS = 2-6]			
* Lung		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
[Hemorrhage TGLS = 6-2]			
Lymph Node			
Note: PANCREATIC LYMPH NODE MISSING.			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 5-6]			

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 368

TRT#: 8

SEX: Female

DAY ON TEST: 350

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-78920

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 369

TRT#: 8

SEX: Female

DAY ON TEST: 527

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Skin	Spinal Cord	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Lymphoma Malignant	
* Bone	Femur	Osteopetrosis	Mild
* Bone Marrow		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 5-6]			
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
		Lymphoma Malignant	
	Renal Tubule	Pigmentation	Mild
* Liver		Hemangiosarcoma	
		Hemorrhage	Moderate
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Lymphoma Malignant	
[Hemangiosarcoma TGLS = 1-21]			
[Hemorrhage TGLS = 3-6]			
[Hyperplasia TGLS = 3-6]			
[Lymphoma Malignant TGLS = 3-6]			
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Minimal
		Lymphoma Malignant	
Lymph Node	Mediastinal	Lymphoma Malignant	
	Mediastinal	Pigmentation	Mild
[Lymphoma Malignant TGLS = 5-22]			
* Lymph Node, Mandibular		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 369	TRT#: 8	SEX: Female	DAY ON TEST: 527
	DOSE: 1.0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-80075

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLS = 6-5]		
* Lymph Node, Mesenteric	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 6-5]		
* Mammary Gland	Hyperplasia	Mild
* Ovary	Lymphoma Malignant	
* Salivary Glands	Atrophy	Moderate
* Spleen	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 4-6]		
* Stomach, Forestomach	Lymphoma Malignant	
* Stomach, Glandular	Erosion	Mild
	Lymphoma Malignant	
* Thymus	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 4-6]		
* Uterus	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH	- Thymus Lymphoma Malignant
CONTRIBUTORY CAUSE OF DEATH	- Liver Hemangiosarcoma;Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 472

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79473

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
* Skin	Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Kidney	Renal Tubule	Pigmentation	Mild
* Liver	Hepatocyte	Hyperplasia	Regenerative, Marked
		Leukemia Mononuclear	
	Kupffer Cell	Pigmentation	Marked
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Hyperplasia TGLS = 2-6]			
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Hemorrhage	Moderate
	Pancreatic	Pigmentation	Moderate
Note: Lymph Node, Mediastinal is normal.			
[Hemorrhage TGLS = 5-21]			
* Mammary Gland		Hyperplasia	Mild
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 3-1]			
* Spleen		Congestion	Marked
		Leukemia Mononuclear	
[Congestion TGLS = 1-6]			
[Leukemia Mononuclear TGLS = 1-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 472

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79473

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 371

TRT#: 8

SEX: Female

DAY ON TEST: 608

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-81118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

INSUFFICIENT TISSUE

* Mammary Gland

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Brain		Hydrocephalus	Mild
* Kidney	Renal Tubule	Hyaline Droplet	Mild
	Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Nephropathy	Minimal
	[Pigmentation TGLS = 4-5]	Pigmentation	Minimal
* Liver	Hepatocyte	Hemangiosarcoma	
		Hyperplasia	Regenerative, Marked
	Note: TGL = 12-6 no corresponding lesion.		
	Note: HEMANGIOSARC IS ALSO PRESENT ON SLIDE 6.		
	[Hemangiosarcoma TGLS = 1-21]		
	[Hyperplasia TGLS = 3-6]		
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Moderate
	Alveolar Epith	Hyperplasia	Minimal
	[Hemangiosarcoma TGLS = 10-22]		
	[Hemorrhage TGLS = 8-2]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 371	TRT#: 8	SEX: Female	DAY ON TEST: 608
	DOSE: 1.0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-81118

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
[Hemorrhage TGLS = 7-3]			
[Pigmentation TGLS = 7-3]			
* Lymph Node, Mesenteric		Congestion	Minimal
[Congestion TGLS = 5-5]			
* Mammary Gland			
Note: MAMMARY GLAND IS PRESENT ADJACENT TO CLITORAL GLAND ON SLIDE 8.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 372 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 528
DOSE: 1.0 MG/KG/DY **DISP:** Moribund Sacrifice **HISTO:** 97-80139

ORGAN AND ACCOUNTABLE SITE STATUS

	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Moderate
	[Hemangiosarcoma TGLS = 10-22]		
	[Hemorrhage TGLS = 10-22]		
	[Pigmentation TGLS = 10-22]		
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Mammary Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 2-8]		
* Ovary		Cyst	Moderate
	[Cyst TGLS = 5-7]		
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
	[Hematopoietic Cell Proliferation TGLS = 4-6]		
	[Leukemia Mononuclear TGLS = 4-6]		
* Uterus		Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLS = 6-7]		

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH - Liver Hemorrhage;Liver Leukemia Mononuclear;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 373

TRT#: 8

SEX: Female

DAY ON TEST: 352

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-78921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-1]			
* Liver		Hemangiosarcoma	
	Hepatocyte	Hepatodiaphragmatic Nodule	
		Hyperplasia	Regenerative, Moderate
		Leukemia Mononuclear	
Note: TGLs 3 AND 4 WERE APPARENTLY REVERSED AT NECROPSY.			
[Hemangiosarcoma TGLS = 4-22]			
[Hepatodiaphragmatic Nodule TGLS = 3-21]			
[Hyperplasia TGLS = 2-6]			
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Hemangiosarcoma TGLS = 5-2,7-2]			
[Leukemia Mononuclear TGLS = 5-2,7-2]			
Lymph Node	Pancreatic	Hemorrhage	Mild
Note: Lymph Node, Medistinal is missing.			
[Hemorrhage TGLS = 9-23]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 373	TRT#: 8	SEX: Female	DAY ON TEST: 352
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-78921

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 9-23]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma		
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia;Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 374

TRT#: 8

SEX: Female

DAY ON TEST: 459

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79280

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia;Thyroid Gland Follicular Cel Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 447

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Intestine Small, Duodenum

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Mild
* Liver	Hepatocyte	Cytomegaly	Mild
	Hepatocyte	Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Regenerative, Moderate
		Necrosis	Focal, Minimal
		[Hyperplasia TGLS = 4-6]	
		[Necrosis TGLS = 4-6]	
Lymph Node	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Pigmentation	Moderate
* Mammary Gland		Hyperplasia	Mild
* Skin	Subcut Tiss	Fibroma	
		[Fibroma TGLS = 1-21]	
* Spleen		Hematopoietic Cell Proliferation	Marked
		[Hematopoietic Cell Proliferation TGLS = 2-6]	
* Uterus		Polyp Stromal	
		[Polyp Stromal TGLS = 2-6]	

PRIMARY CAUSE OF DEATH - Liver Hepatocyte Hyperplasia
CONTRIBUTORY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 447

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79242

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 618

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-81368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Cyst	Moderate
[Cyst TGLS = 2-8]			
* Kidney	Renal Tubule	Necrosis	Mild
		Nephropathy	Mild
* Liver	Hepatocyte	Basophilic Focus	
		Cytomegaly	Mild
		Hemangiosarcoma	
		Hepatocellular Adenoma	
	Hepatocyte	Hyperplasia	Regenerative, Marked
[Basophilic Focus TGLS = 4-6]			
[Hemangiosarcoma TGLS = 5-21]			
[Hepatocellular Adenoma TGLS = 4-6]			
[Hyperplasia TGLS = 4-6]			
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Moderate
	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Moderate
[Hemangiosarcoma TGLS = 6-2]			
[Hemorrhage TGLS = 6-2]			
[Hyperplasia TGLS = 6-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 376	TRT#: 8	SEX: Female	DAY ON TEST: 618
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-81368

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 6-2]			
Lymph Node	Mediastinal	Hemorrhage	Marked
	Mediastinal	Pigmentation	Moderate
[Hemorrhage TGLS = 8-22]			
[Pigmentation TGLS = 8-22]			
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
[Angiectasis TGLS = 9-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Ulcer	Moderate
[Ulcer TGLS = 10-4]			

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 377

TRT#: 8

SEX: Female

DAY ON TEST: 591

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-81075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Mild
		Hepatocellular Adenoma	
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Infiltration Cellular	Mixed Cell, Moderate
[Hyperplasia TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
[Congestion TGLS = 2-6]			
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 378

TRT#: 8

DOSE: 1.0 MG/KG/DY

SEX: Female

DISP: Natural Death

DAY ON TEST: 426

HISTO: 97-79060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum	* Intestine Small, Ileum
---------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Leukemia Mononuclear	Moderate
[Leukemia Mononuclear TGLS = 2-7]			
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Liver		Basophilic Focus Clear Cell Focus Hemangiosarcoma Hepatocellular Adenoma	
	Hepatocyte	Hyperplasia Leukemia Mononuclear	Regenerative, Moderate
[Basophilic Focus TGLS = 4-6]			
[Clear Cell Focus TGLS = 4-6]			
[Hemangiosarcoma TGLS = 5-21]			
[Hepatocellular Adenoma TGLS = 4-6]			
[Hyperplasia TGLS = 4-6]			
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 378	TRT#: 8	SEX: Female	DAY ON TEST: 426
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79060

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-22]			
[Pigmentation TGLS = 6-22]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7]			
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 3-6]			
[Leukemia Mononuclear TGLS = 3-6]			
* Uterus		Hydrometra	Moderate
[Hydrometra TGLS = 2-7]			

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Liver Hemangiosarcoma;Liver Hepatocyte Hyperplasia;Lung Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 506

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Mild
		Eosinophilic Focus	
		Hemangiosarcoma	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hyperplasia	Regenerative, Marked
		Mixed Cell Focus	

Note: SLIGHT CYSTIC DILATATION OF SOME BILE DUCTS.

- [Basophilic Focus TGLS = 2-6]
- [Eosinophilic Focus TGLS = 1-21]
- [Hemangiosarcoma TGLS = 1-21]
- [Mixed Cell Focus TGLS = 2-6]

* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 506

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79976

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 380

TRT#: 8

SEX: Female

DAY ON TEST: 516

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-80086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Pituitary Gland

OBSERVATIONS

- | | | | |
|--------------------------------------|----------------|---------------------------------------|----------------------|
| * Bone Marrow | | Myelofibrosis | Moderate |
| * Kidney | Transit Epithe | Hyperplasia | Mild |
| * Liver | Hepatocyte | Cytomegaly | Moderate |
| | | Hemangiosarcoma | Multiple |
| | | Hemorrhage | Moderate |
| | | Hepatocellular Adenoma | |
| | Hepatocyte | Hyperplasia | Regenerative, Marked |
| Note: HEPATOCLR ADEN IS ON SLIDE 21. | | | |
| | | [Hemangiosarcoma TGLS = 3-21,2-6] | |
| | | [Hemorrhage TGLS = 2-6] | |
| | | [Hepatocellular Adenoma TGLS = 2-6] | |
| | | [Hyperplasia TGLS = 2-6] | |
| * Lung | | Hemangiosarcoma | Metastatic (Liver) |
| | | Hemorrhage | Mild |
| | | Infiltration Cellular | Histiocyte, Mild |
| | | [Hemangiosarcoma TGLS = 5-2] | |
| | | [Hemorrhage TGLS = 5-2] | |
| Lymph Node | Mediastinal | Hemorrhage | Moderate |
| | Mediastinal | Pigmentation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 380	TRT#: 8	SEX: Female	DAY ON TEST: 516
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-80086

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 4-22]		
[Pigmentation TGLS = 4-22]		
* Mammary Gland	Hyperplasia	Mild
* Ovary		
Note: MILD OVARIAN ANGIECTASIS; NOT TABULATED.		
* Spleen	Hematopoietic Cell Proliferation	Moderate
	Pigmentation	Moderate

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 381

TRT#: 8

SEX: Female

DAY ON TEST: 470

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	Skeletal Muscle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney	Renal Tubule	Necrosis	Moderate
* Liver	Hepatocyte	Cytomegaly	Moderate
		Hemangiosarcoma	
	Hepatocyte	Hyperplasia	Regenerative, Moderate
		Necrosis	Focal, Moderate
[Hemangiosarcoma TGLS = 4-6]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	Moderate
* Spleen		Pigmentation	Mild
* Uterus		Hydrometra	Mild
[Hydrometra TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 382

TRT#: 8

SEX: Female

DAY ON TEST: 460

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-5]		Nephropathy	Minimal
* Liver		Hemangiosarcoma	
	Hepatocyte	Hyperplasia	Regenerative, Marked
	Hepatocyte	Leukemia Mononuclear	
[Hemangiosarcoma TGLS = 5-21]		Vacuolization Cytoplasmic	Moderate
[Hyperplasia TGLS = 6-6,7-22]			
[Leukemia Mononuclear TGLS = 6-6,7-22]			
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Hemangiosarcoma TGLS = 9-2]			
[Leukemia Mononuclear TGLS = 9-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 382

TRT#: 8

SEX: Female

DAY ON TEST: 460

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79281

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-3]			
[Pigmentation TGLS = 8-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Liver Hemangiosarcoma; Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 383

TRT#: 8

SEX: Female

DAY ON TEST: 552

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-80443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
* Liver		Basophilic Focus	
		Hemangiosarcoma	
		Hemorrhage	Moderate
	Hepatocyte	Hepatodiaphragmatic Nodule	
		Hyperplasia	Regenerative, Marked
Note: ANGIECTASIS IS PRESENT PRIMARILY ON SLIDE 26.			
		[Basophilic Focus TGLS = 5-22]	
		[Hemangiosarcoma TGLS = 6-23]	
		[Hemorrhage TGLS = 8-6]	
		[Hepatodiaphragmatic Nodule TGLS = 5-22]	
		[Hyperplasia TGLS = 4-21, 11-26]	
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Moderate
		[Hyperplasia TGLS = 9-8]	
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 7-1]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 383	TRT#: 8	SEX: Female	DAY ON TEST: 552
	DOSE: 1.0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-80443

ORGAN AND ACCOUNTABLE SITE STATUS

Skeletal Muscle [Hemorrhage TGLS = 12-24]		Hemorrhage	Moderate
* Spleen [Hematopoietic Cell Proliferation TGLS = 3-6]		Hematopoietic Cell Proliferation	Marked
* Stomach, Glandular [Erosion TGLS = 10-25]		Erosion	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus [Hydrometra TGLS = 1-7]		Hydrometra	Mild

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 384

TRT#: 8

DOSE: 1.0 MG/KG/DY

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 552

HISTO: 97-80255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland	* Skin
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
Note: MILD MYOCARDIAL MINERALIZATION; NOT TABULATED.			
* Kidney	Renal Tubule	Mineralization	Mild
		Nephropathy	Moderate
Note: MULTIFOCAL MINERALIZATION IN KIDNEY; NOT TABULATED. [Nephropathy TGLS = 3-5]			
* Liver	Hepatocyte	Cytomegaly	Mild
	Hepatocyte	Hyperplasia	Regenerative, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Hyperplasia TGLS = 4-6,1-21] [Vacuolization Cytoplasmic TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLS = 5-5]			
* Mammary Gland		Carcinoma	
		Hyperplasia	Moderate
[Carcinoma TGLS = 2-23]			
* Nose	Respirat Epith	Hyperplasia	Minimal
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 384	TRT#: 8	SEX: Female	DAY ON TEST: 552
	DOSE: 1.0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-80255

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 6-1,7-1]	Pars Distalis	Cyst	Moderate
* Salivary Glands Note: ATROPHY INVOLVES PRIMARILY PAROTID GLAND.		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Stomach, Glandular		Mineralization	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Mammary Gland Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 385

TRT#: 8

SEX: Female

DAY ON TEST: 542

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-80241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Mild
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Cytomegaly	Mild
	Hepatocyte	Hemangiosarcoma	
		Hepatocellular Adenoma	
		Hyperplasia	Regenerative, Marked
	[Hemangiosarcoma TGLS = 4-6]		
	[Hepatocellular Adenoma TGLS = 4-6]		
	[Hyperplasia TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-1]		
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Moderate
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma
CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 386

TRT#: 8

DOSE: 1.0 MG/KG/DY

SEX: Female

DISP: Natural Death

DAY ON TEST: 487

HISTO: 97-79640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Mild
		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Moderate
	Hepatocyte	Hyperplasia	Regenerative, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
		[Hemangiosarcoma TGLS = 4-21]	
		[Hyperplasia TGLS = 5-6,8-24,9-25]	
		[Vacuolization Cytoplasmic TGLS = 5-6]	
Lymph Node	Mediastinal	Congestion	Marked
	Mediastinal	Hemorrhage	Marked
	Mediastinal	Pigmentation	Mild
		[Congestion TGLS = 7-23]	
		[Hemorrhage TGLS = 7-23]	
		[Pigmentation TGLS = 7-23]	
* Mammary Gland		Hyperplasia	Minimal
Skeletal Muscle		Hemorrhage	Marked
		[Hemorrhage TGLS = 6-22]	
* Spleen		Hematopoietic Cell Proliferation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 386

TRT#: 8

SEX: Female

DAY ON TEST: 487

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79640

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 3-6]

* Stomach, Glandular

Ulcer

Marked

[Ulcer TGLS = 10-4]

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 387

TRT#: 8

SEX: Female

DAY ON TEST: 528

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-80140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hypertrophy Leukemia Mononuclear Leukemia Mononuclear	Moderate Focal, Minimal
* Bone Marrow			
[Leukemia Mononuclear TGLS = 10-4]			
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-1]			
* Kidney		Leukemia Mononuclear Nephropathy Pigmentation	Minimal Minimal
	Renal Tubule		
[Leukemia Mononuclear TGLS = 9-1]			
* Liver		Eosinophilic Focus Hyperplasia Leukemia Mononuclear Vacuolization Cytoplasmic	Regenerative, Marked Moderate
	Hepatocyte		
[Hyperplasia TGLS = 7-6]			
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Hyperplasia Infiltration Cellular Leukemia Mononuclear	Moderate Histiocyte, Minimal
	Alveolar Epith		
[Leukemia Mononuclear TGLS = 7-6]			
Lymph Node		Congestion Leukemia Mononuclear	Mild
	Mediastinal Mediastinal		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 387	TRT#: 8	SEX: Female	DAY ON TEST: 528
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-80140

ORGAN AND ACCOUNTABLE SITE STATUS

Mediastinal	Pigmentation	Mild
[Leukemia Mononuclear TGLS = 10-22]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]		
* Mammary Gland	Fibroadenoma	
	Hyperplasia	Marked
[Fibroadenoma TGLS = 4-21]		
[Hyperplasia TGLS = 1-8]		
* Ovary	Cyst	Moderate
[Cyst TGLS = 6-7]		
* Pituitary Gland	Pars Distalis	
	Cyst	Moderate
	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-1]		
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]		
* Stomach, Glandular	Erosion	Mild
* Thymus	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]		

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia;Lung Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 388

TRT#: 8

SEX: Female

DAY ON TEST: 478

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---|---------------|-----------------------------------|---------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | Moderate |
| * Kidney | | Nephropathy | Minimal |
| * Liver | Hepatocyte | Basophilic Focus | |
| | Hepatocyte | Cytomegaly | Mild |
| | | Hyperplasia | Regenerative, Mild |
| | | Infiltration Cellular | Mixed Cell, Mild |
| | | Mixed Cell Focus | |
| [Basophilic Focus TGLS = 1-6] | | | |
| [Hyperplasia TGLS = 1-6] | | | |
| [Mixed Cell Focus TGLS = 1-6] | | | |
| * Lung | | Congestion | Moderate |
| | | Hemorrhage | Mild |
| | | Infiltration Cellular | Histiocyte, Minimal |
| [Congestion TGLS = 2-2] | | | |
| [Hemorrhage TGLS = 2-2] | | | |
| Lymph Node | | | |
| Note: Lymph Node, Mediastinal is missing. | | | |
| * Mammary Gland | | Hyperplasia | Mild |
| * Pituitary Gland | Pars Intermed | Adenoma | |
| [Adenoma TGLS = 3-1] | | | |
| * Spleen | | Pigmentation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 388

TRT#: 8

SEX: Female

DAY ON TEST: 478

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79625

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Intermed Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 440

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyaline Droplet	Minimal
	Renal Tubule	Necrosis	Minimal
	Renal Tubule	Nephropathy	Minimal
* Liver	Hepatocyte	Pigmentation	Mild
	Hepatocyte	Cytomegaly	Mild
	Bile Duct	Hemangiosarcoma	
	Hepatocyte	Hyperplasia	Mild
		Hyperplasia	Regenerative, Moderate
		Necrosis	Focal, Moderate
	[Hemangiosarcoma TGLS = 5-21]		
	[Hyperplasia TGLS = 4-6]		
	[Necrosis TGLS = 4-6]		
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Moderate
	[Hemangiosarcoma TGLS = 7-2]		
Lymph Node	Mediastinal	Hemangiosarcoma	Metastatic (Liver)
	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Marked
	[Hemangiosarcoma TGLS = 6-22]		
	[Hemorrhage TGLS = 6-22]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 389	TRT#: 8	SEX: Female	DAY ON TEST: 440
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79077

ORGAN AND ACCOUNTABLE SITE STATUS

[Pigmentation TGLS = 6-22]		
* Mammary Gland	Hyperplasia	Minimal
* Ovary	Cyst	Moderate
[Cyst TGLS = 2-7]		
* Pancreas	Atrophy	Mild
* Spleen	Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-6]		
* Stomach, Glandular	Erosion	Minimal

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 390

TRT#: 8

SEX: Female

DAY ON TEST: 509

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
[Pigmentation TGLS = 8-5]			
* Liver	Hepatocyte	Cytomegaly	Moderate
		Hemangiosarcoma	Multiple
	Hepatocyte	Hemorrhage	Mild
		Hyperplasia	Regenerative, Marked
		Necrosis	Focal, Mild
[Hemangiosarcoma TGLS = 4-21,5-22,6-4]			
[Hyperplasia TGLS = 3-6]			
* Lung		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
[Hemorrhage TGLS = 9-2]			
Lymph Node	Mediastinal	Hemorrhage	Mild
Note: MODERATE NUMBER FOAMY HISTIOCYTES IN MEDIASTINAL NODE.			
[Hemorrhage TGLS = 7-23]			
* Mammary Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 390	TRT#: 8	SEX: Female	DAY ON TEST: 509
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79996

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Hemorrhage

Mild

Note: MILD HEMORRHAGE IN GLANDULAR STOMACH; NOT TABULATED.

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 391

TRT#: 8

SEX: Female

DAY ON TEST: 475

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
Eye		Cataract	Moderate
[Cataract TGLS = 1-21]			
* Kidney	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hyperplasia	Regenerative, Marked
	Kupffer Cell	Pigmentation	Mild
[Eosinophilic Focus TGLS = 5-22]			
[Hemangiosarcoma TGLS = 5-22]			
[Hyperplasia TGLS = 4-6]			
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Minimal
* Nose		Foreign Body	
	Respirat Epith	Hyperplasia	Mild
* Ovary		Cyst	Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
Note: FOCUS OF VACUOLATED CELLS IN PARS DISTALIS; NOT CODED ON TDMS.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 391	TRT#: 8	SEX: Female	DAY ON TEST: 475
	DOSE: 1.0 MG/KG/DY	DISP: Moribund Sacrifice	HISTO: 97-79474

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Congestion	Moderate
	Hematopoietic Cell Proliferation	Moderate
	Pigmentation	Moderate
[Congestion TGLS = 3-6]		
[Hematopoietic Cell Proliferation TGLS = 3-6]		

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 392

TRT#: 8

SEX: Female

DAY ON TEST: 548

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-80242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver	Hepatocyte	Cytomegaly	Moderate
	Hepatocyte	Hyperplasia	Regenerative, Marked
[Hyperplasia TGLS = 3-6]			
* Lung		Hemangiosarcoma	
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
* Mammary Gland		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH - Lung Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocyte Hyperplasia

Animal Note: HEMANGIOSARCOMA IN LUNG RESEMBLED THOSE METASTATIC FROM LIVER IN OTHER RATS. THE LESION WAS NOT SEEN IN LIVER OF THIS RAT AND WAS ENTERED AS PRIMARY IN LUNG.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 393

TRT#: 8

SEX: Female

DAY ON TEST: 569

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-80524

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Cyst	Moderate
[Cyst TGLS = 1-8]			
* Liver	Hepatocyte	Cytomegaly	Mild
		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Regenerative, Marked
[Hemangiosarcoma TGLS = 4-21]			
[Hepatocellular Adenoma TGLS = 5-6]			
[Hyperplasia TGLS = 5-6,6-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Congestion	Moderate
	Mediastinal	Pigmentation	Mild
[Congestion TGLS = 8-3]			
[Pigmentation TGLS = 8-3]			
* Mammary Gland		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 393

TRT#: 8

SEX: Female

DAY ON TEST: 569

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-80524

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 3-6]

* Thymus

Hemorrhage

Mild

Note: MODERATE CONGESTION; NOT CODED.

[Hemorrhage TGLS = 7-3]

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocellular Adenoma; Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 552

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-80444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
Mesentery	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain		Compression	Marked
		Hydrocephalus	Moderate
[Compression TGLS = 7-1]			
* Clitoral Gland		Cyst	Moderate
* Liver		Basophilic Focus	
	Hepatocyte	Hyperplasia	Regenerative, Moderate
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 4-6]			
[Hyperplasia TGLS = 4-6]			
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 8-8]			
Mesentery			
Note: TGL 9-22 IS A FOCUS OF CARTILAGENOUS METAPLASIA WITHIN MESENTERY; NOT TABULATED ON TDMS.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 552

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-80444

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear
Pigmentation

Moderate

[Leukemia Mononuclear TGLS = 2-6]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia; Mammary Gland Fibroadenoma; Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelline

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 395

TRT#: 8

SEX: Female

DAY ON TEST: 407

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Salivary Glands	* Skin
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Moderate
* Liver	Hepatocyte	Basophilic Focus	
		Hyperplasia	Regenerative, Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Necrosis	Focal, Mild
[Basophilic Focus TGLS = 2-6]			
[Hyperplasia TGLS = 3-21]			
[Mixed Cell Focus TGLS = 2-6]			
Lymph Node	Mediastinal	Pigmentation	Minimal
	Renal	Pigmentation	Moderate
[Pigmentation TGLS = 4-22]			
* Mammary Gland			
Note: MAMMARY GLAND IS PRESENT ADJACENT TO CLITORAL GLAND.			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 5-1]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 395

TRT#: 8

SEX: Female

DAY ON TEST: 407

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79028

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Pigmentation

Mild

Hydrometra

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 405

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney	Renal Tubule	Necrosis Nephropathy	Mild Mild
Note: TUBULAR REGENERATION APPARENTLY SECONDARY TO TUBULAR NECROSIS, CODED AS "NEPHROPATHY".			
			[Necrosis TGLS = 3-5]
			[Nephropathy TGLS = 3-5]
* Liver	Hepatocyte	Cytomegaly Hemangiosarcoma Hepatodiaphragmatic Nodule	Mild Multiple
	Hepatocyte	Hyperplasia Necrosis	Regenerative, Moderate Focal, Moderate
			[Hemangiosarcoma TGLS = 4-21,5-22,6-23]
			[Hepatodiaphragmatic Nodule TGLS = 7-24]
* Lung		Edema Hemangiosarcoma Hemorrhage Infiltration Cellular	Moderate Metastatic (Liver) Moderate Histiocyte, Marked
			[Edema TGLS = 10-2]
			[Hemangiosarcoma TGLS = 10-2,11-2]
			[Hemorrhage TGLS = 10-2]
			[Infiltration Cellular TGLS = 10-2]
Lymph Node	Mediastinal	Hemorrhage	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 405

DOSE: 1.0 MG/KG/DY

DISP: Moribund Sacrifice

HISTO: 97-79029

ORGAN AND ACCOUNTABLE SITE STATUS

Mediastinal	Pigmentation	Moderate
[Hemorrhage TGLS = 9-25]		
[Pigmentation TGLS = 9-25]		
* Lymph Node, Mesenteric	Hemorrhage	Minimal
* Mammary Gland	Hyperplasia	Moderate
* Pancreas	Atrophy	Minimal
* Spleen	Hematopoietic Cell Proliferation	Marked
	Pigmentation	Mild
[Hematopoietic Cell Proliferation TGLS = 2-6]		
* Stomach, Glandular	Erosion	Mild
	Ulcer	Mild
[Erosion TGLS = 8-4]		
[Ulcer TGLS = 8-4]		

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 556

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-80445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Mild
	Hepatocyte	Hemangiosarcoma	
		Hyperplasia	Regenerative, Marked
	[Hemangiosarcoma TGLS = 2-6]		
	[Hyperplasia TGLS = 2-6]		
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 4-8]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Congestion	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Uterus		Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 5-7]		

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 556

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-80445

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 398

TRT#: 8

SEX: Female

DAY ON TEST: 658

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 98-81934

ORGAN AND ACCOUNTABLE SITE STATUS

Polyp Stromal

[Polyp Stromal TGLS = 2-7]

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 399

TRT#: 8

SEX: Female

DAY ON TEST: 434

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-79061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Cytomegaly	Mild
		Eosinophilic Focus	
		Hemangiosarcoma	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hyperplasia	Regenerative, Marked
Note: EOSIN FOCUS IS ON SLIDE 21.			
[Basophilic Focus TGLS = 3-6]			
[Hemangiosarcoma TGLS = 4-21]			
[Hyperplasia TGLS = 3-6]			
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Moderate
[Hemangiosarcoma TGLS = 5-2]			
[Hemorrhage TGLS = 5-2]			
[Infiltration Cellular TGLS = 5-2]			
Lymph Node	Mediastinal	Congestion	Minimal
	Mediastinal	Pigmentation	Minimal
[Congestion TGLS = 6-22]			
[Pigmentation TGLS = 6-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 399	TRT#: 8	SEX: Female	DAY ON TEST: 434
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-79061

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Congestion	Mild
		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Riddelliine

CAS Number: 23246-96-0

Date Report Requested: 10/17/2014

Time Report Requested: 23:15:07

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 400

TRT#: 8

SEX: Female

DAY ON TEST: 587

DOSE: 1.0 MG/KG/DY

DISP: Natural Death

HISTO: 97-81076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney	Renal Tubule	Hyaline Droplet	Mild
	Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Necrosis	Moderate
	Renal Tubule	Pigmentation	Mild
* Liver	Hepatocyte	Hemangiosarcoma	Multiple
		Hyperplasia	Regenerative, Marked
		Necrosis	Focal, Marked
			[Hemangiosarcoma TGLS = 3-6,5-22]
			[Hyperplasia TGLS = 3-6]
			[Necrosis TGLS = 3-6]
* Lung		Hemangiosarcoma	Metastatic (Liver)
		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Moderate
			[Hemangiosarcoma TGLS = 6-2]
			[Hemorrhage TGLS = 6-2]
Lymph Node	Mediastinal	Hemorrhage	Marked
			[Hemorrhage TGLS = 8-3]
* Lymph Node, Mesenteric		Hemorrhage	Moderate
* Mammary Gland		Hyperplasia	Moderate
Mesentery		Hemangiosarcoma	Metastatic (Liver)
	Fat	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05161-05
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Riddelliine
CAS Number: 23246-96-0

Date Report Requested: 10/17/2014
Time Report Requested: 23:15:07
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 400	TRT#: 8	SEX: Female	DAY ON TEST: 587
	DOSE: 1.0 MG/KG/DY	DISP: Natural Death	HISTO: 97-81076

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemangiosarcoma TGLS = 1-7,7-23]			
[Necrosis TGLS = 4-21]			
* Spleen		Hematopoietic Cell Proliferation	Marked
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Stomach, Glandular		Ulcer	Marked
[Ulcer TGLS = 11-4]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Liver Hemangiosarcoma		
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Hyperplasia		

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE