

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**C Number:** C60162  
**Lock Date:** Not Entered.  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Both  
**PWG Approval Date:** 09/07/1990

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8723

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88723

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Lung	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Mild
Brain		Mineralization	Multifocal, Mild
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8724

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88724

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Larynx	Lung
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland

**OBSERVATIONS**

Brain		Mineralization	Multifocal, Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney	Cortex	Mineralization	Multifocal, Minimal
Liver		Cytomegaly	Focal, Mild
Note: CYTOMEGALY	TGLs = 5-5		
Lymph Node	Mesenteric	Hemorrhage	Mild
Preputial Gland		Inflammation	Chronic, Moderate
Note: INFLAMMATION	TGLs = 1-11		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8726

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88726

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	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	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea

**MISSING**

Mammary Gland

**OBSERVATIONS**

Brain		Mineralization	Multifocal, Mild
Eye	Conjunctiva	Inflammation	Chronic, Mild
Note: EYEBALL NOT PRESENT-PHTHISIS BULBI			
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Liver		Mixed Cell Focus	
Note: GROSS LESION IS ARTIFACTUAL TEAR			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8728

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88728

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lung	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**

Kidney		Infiltration Cellular	Lymphocyte, Minimal
Liver		Granuloma	Multifocal, Minimal
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Testes		Spermatocoele	Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8729

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Larynx	Liver	Lymph Node - Mesenteric	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 5-6	Alveolar Epith	Hyperplasia	Focal, Moderate
Lymph Node	Axillary	Hemorrhage	Moderate
Note: HEMORRHAGE TGLs = 3-11			
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 2-12			
Urethra	Bulboureth GI	Ectasia	Marked
Note: ECTASIA TGLs = 4-11			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8730

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88730

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Nose  
Seminal Vesicle  
Stomach - Glandular  
Trachea

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pancreas  
Skin  
Testes  
Urinary Bladder

Bone  
Esophagus  
Intestine Large - Rectum  
Larynx  
Pituitary Gland  
Spleen  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mesenteric  
Prostate  
Stomach - Forestomach  
Thyroid Gland

**MISSING**

Gallbladder

Mammary Gland

Parathyroid Gland

**OBSERVATIONS**

Islets, Pancreatic  
Kidney  
Liver

Note: HEPATOCLR CARC TGLs = 1-5

Lung

Note: ALV BRON ADEN TGLs = 2-6

Salivary Glands

Hyperplasia  
Nephropathy  
Hepatocellular Carcinoma

Alveolar/Bronchiolar Adenoma

Infiltration Cellular

Mild  
Chronic, Minimal

Lymphocyte, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8731

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88731

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Prostate  
Stomach - Forestomach  
Thyroid Gland

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Glandular  
Trachea

Bone  
Heart  
Intestine Small - Duodenum  
Larynx  
Nose  
Seminal Vesicle  
Testes  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Pituitary Gland  
Spleen  
Thymus

**MISSING**

Esophagus

Mammary Gland

Parathyroid Gland

**OBSERVATIONS**

Brain  
Intest Small  
    Note: JEJUNUM-PROMINENT PEYER'S PATCH  
Kidney  
Pancreas  
Skin  
    Subcut Tiss  
    Note: SKIN-LESION HAS FIBRO-PAPILLOMATOUS APPEARANCE  
    Note: FIBROMA      TGLs = 1-11

Mineralization  
Infiltration Cellular  
Infiltration Cellular  
Fibroma  
Multifocal, Minimal  
Lymphocyte, Minimal  
Lymphocyte, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8732

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Spleen	Stomach - Forestomach	Testes
Thymus	Trachea		

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Brain		Mineralization	Multifocal, Minimal
Kidney	Glomerulus	Amyloid Deposition	Moderate
		Lymphoma Malignant Lymphocytic	
Liver		Infiltration Cellular	Lymphocyte, Mild
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 4-11		
Note: LYMPH MAL LYMP	TGLs = 2-2		
Nose	Mucosa	Degeneration	Hyaline, Mild
Skin		Inflammation	Chronic, Mild
Stomach	Glandular	Lymphoma Malignant Lymphocytic	
Thyroid Gland		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Lymphoma Malignant Lymphocytic	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8734

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88734

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Mild
Kidney	Cortex	Mineralization	Multifocal, Minimal
Liver		Cytomegaly	Focal, Mild
Skin		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8735

TRT#: 1

SEX: Male

DAY ON TEST: 321

DOSE: CONTROL MALE

DISP: Moribund

HISTO: 88735

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pituitary Gland  
Skin  
Testes

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Prostate  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Pancreas  
Salivary Glands  
Stomach - Forestomach  
Trachea

**MISSING**

Mammary Gland

**OBSERVATIONS**

Brain  
Liver  
Thymus

Mineralization  
Necrosis  
Depletion Lymphoid

Multifocal, Minimal  
Focal, Mild  
Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8736

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88736

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Liver	Lung	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Intestine Large - Rectum	Mammary Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 4-11		
Liver			
Note: GROSS FOCUS NOT IN ORIGINAL OR RECUT SLIDE			
Lymph Node	Mesenteric	Hemorrhage	Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Spleen		Pigmentation	Hemosiderin, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8737

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88737

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Mammary Gland	Nose	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Mild
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Lung	Peribronchiolr	Infiltration Cellular	Lymphocyte, Mild
Lymph Node	Mesenteric	Hemorrhage	Minimal
Pancreas		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Spleen		Hyperplasia	Lymphoid, Moderate

Note: HYPERPLASIA TGLs = 1-5

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8738

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88738

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Kidney	Larynx	Liver	Lung
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Mild
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Intestine Small	Jejunum, Peyers Patch	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 1-4			
Islets, Pancreatic		Hyperplasia	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Spleen		Hyperplasia	Lymphoid, Mild
Thyroid Gland	Follicle	Cyst	Multiple, Mild
Note: CYST TGLs = 3-3			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8739

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Epididymis		Granuloma Sperm	Moderate
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Marked
Note: INFARCT	TGLs = 3-12		
Note: HEPATOCLR CARC	TGLs = 4+5+6-5+12		
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node	Mesenteric	Hemorrhage	Minimal
Preputial Gland		Dilatation	Marked
Note: DILATATION	TGLs = 2-13		
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC	TGLs = 1-11		
Note: UP TO 6 MITOSES PER HPF.			
Note: HAS BENIGN AND MALIGNANT APPEARING AREAS.			
Spleen		Hematopoietic Cell Proliferation	Moderate
		Sarcoma	
Note: SARCOMA	TGLs = 7-5		
Testes	Seminif Tub	Dilatation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 17:42:59

**First Dose M/F:** NA / NA

**Lab:** IRDC

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**ANIMAL ID:** 8739

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** CONTROL MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88739

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8740

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Heart	Atrium	Thrombosis	Marked
Liver	Centrilobular	Necrosis	Diffuse, Mild
Note: NECROSIS TGLs = 6-5			
Lung			
Note: LUNG-GROSS FOCUS NOT EVIDENT AT TRIM			
Skin	Subcut Tiss	Edema	Moderate
	Subcut Tiss	Sarcoma	
Note: EDEMA TGLs = 4-7.1			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 2-5			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8741

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88741

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Mammary Gland

**OBSERVATIONS**

Brain	Mineralization	Multifocal, Moderate
Intest Small		
Note: JEJUNUM-GROSS NODULE NOT IN ORIGINAL		
Note: OR RECUT SECTION OR IN WET TISSUES.		
Lung	Alveolar/Bronchiolar Adenoma	Multiple
Note: ALV BRON ADEN TGLs = 3-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8742

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Kidney	Larynx
Liver	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Intestine Small	Jejunum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 5-4			
Note: HYPERPLASIA TGLs = 6-12			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 7-6			
Lymph Node	Mesenteric	Hemorrhage	Mild
	Axillary	Hyperplasia	Lymphoid, Mild
	Mesenteric	Hyperplasia	Lymphoid, Minimal
	Inguinal	Pigmentation	Hemosiderin, Mild
Note: HYPERPLASIA TGLs = 2-11			
Preputial Gland		Dilatation	Mild
Note: DILATATION TGLs = 3-12			
Skin	Subcut Tiss	Fibrosarcoma	
		Ulcer	Moderate
Note: ULCER TGLs = 4-11			
Note: FIBROSARC TGLs = 1-11			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8742

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** CONTROL MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88742

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8743

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88743

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Lymph Node - Mesenteric	Mammary Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Brain		Mineralization	Multifocal, Minimal
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Kidney	Cortex	Mineralization	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: ALV BRON ADEN TGLs = 3-6			
Nose	Mucosa	Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8744

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88744

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Larynx	Liver
Lung	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hyperplasia	Focal, Mild
Brain		Mineralization	Multifocal, Moderate
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Preputial Gland		Hyperplasia	Mild

Note: HYPERPLASIA TGLs = 4-11

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8745

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88745

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Pituitary Gland  
Skin  
Testes  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Prostate  
Spleen  
Thymus

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Larynx  
Pancreas  
Seminal Vesicle  
Stomach - Glandular  
Trachea

**MISSING**

Mammary Gland

Parathyroid Gland

**OBSERVATIONS**

Brain  
Kidney  
Liver

Mineralization  
Infiltration Cellular  
Syncytial Alteration

Multifocal, Mild  
Lymphocyte, Minimal  
Minimal

Note: GROSS FOCI NOT IN ORIGINAL OR RETRIMMED SECTION

Preputial Gland

Dilatation

Moderate

Note: DILATATION TGLs = 3-11

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8747

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88747

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Liver	Lung
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Lymph Node - Mesenteric	Mammary Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
	Cortex	Hypertrophy	Focal, Marked
Brain		Mineralization	Multifocal, Minimal
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Moderate
Kidney		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8748

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88748

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Lung	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Brain		Mineralization	Multifocal, Mild
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8749

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88749

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Larynx	Liver	Lymph Node - Mesenteric
Pancreas	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 2-6+6.1			
Note: 2ND FOCUS NOT IN ORIGINAL OR RECUT SLIDE			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 1-2			
Nose	Respirat Epith	Hyperplasia	Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8750

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88750

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hypertrophy	Focal, Mild
Kidney	Cortex	Mineralization	Multifocal, Minimal
		Nephropathy	Chronic, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 4-6		
Lymph Node	Mesenteric	Hemorrhage	Mild
Nose	Mucosa	Degeneration	Hyaline, Mild
	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Minimal
Pancreas		Hemangioma	
Skin		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8751

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88751

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Lung	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Mild
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Lymph Node	Mesenteric	Hemorrhage	Mild
	Inguinal	Pigmentation	Hemosiderin, Mild
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Chronic Active, Minimal
Skin	Sweat Gland	Adenocarcinoma	

Note: ADENOCARC TGLs = 3-11

Note: OF ORIGIN UNCERTAIN

Note: SKIN IS FROM EAR

Note: SKIN-VARIED MORPHOLOGY, PRECISE CELL

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8752

TRT#: 1

SEX: Male

DAY ON TEST: 337

DOSE: CONTROL MALE

DISP: Moribund

HISTO: 88752

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Epididymis
Esophagus	Gallbladder	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	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland	Pituitary Gland	Thymus
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**OBSERVATIONS**

Bone Marrow		Hyperplasia	Neutrophil, Moderate
Brain		Mineralization	Multifocal, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver	Portal	Inflammation	Chronic, Minimal
Lung		Giant Cell	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Bronchiole	Inflammation	Chronic, Moderate
Skin	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Marked
		Ulcer	Marked
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8753

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88753

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Lung	Nose	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland	Thymus
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Brain		Mineralization	Multifocal, Mild
Intest Small			
Note: PEYER'S PATCH WNL (SAMPLED FOR TGL2)			
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-5			
Lymph Node	Mesenteric	Hemorrhage	Minimal
Pancreas		Infiltration Cellular	Lymphocyte, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8754

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88754

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Pituitary Gland  
Skin  
Testes

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Prostate  
Spleen  
Thyroid Gland

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Pancreas  
Salivary Glands  
Stomach - Forestomach  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Larynx  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Glandular  
Urinary Bladder

**MISSING**

Gallbladder

Lymph Node - Mesenteric

Mammary Gland

Thymus

**OBSERVATIONS**

Adrenal Gland  
Brain  
Lung

Capsule

Hyperplasia  
Mineralization  
Alveolar/Bronchiolar Carcinoma

Multifocal, Moderate  
Multifocal, Mild

Note: ALV BRON CARC TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8755

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88755

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Brain		Mineralization	Multifocal, Minimal
Intest Small			
Note: CORRESPONDS WITH TGL2			
Note: JEJUNAL PEYER'S PATCH WNL IN ORIGINAL AND RECUT.			
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Liver			
Note: SECTIONS OR IN WET TISSUES.			
Note: GROSS LIVER FOCUS NOT IN ORIGINAL OR RECUT			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-6			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8756

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88756

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Kidney	Larynx
Lung	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Brain		Mineralization	Multifocal, Minimal
Intestine Small	Jejunum, Peyer's Patch	Hyperplasia	Lymphoid, Minimal
Liver		Infiltration Cellular	Lymphocyte, Minimal
Note: GROSS RED FOCUS NOT IN ORIGINAL OR IN Note: RECUT SLIDES OR IN WET TISSUES.			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
	Mandibular	Hyperplasia	Lymphoid, Moderate
Salivary Glands		Pigmentation	Hemosiderin, Mild
Seminal Vesicle		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
		Fibrosis	Mild
		Inflammation	Chronic, Mild
Note: FIBROSIS TGLs = 4-8			
Note: INFLAMMATION TGLs = 4-8			
Skin	Subcut Tissue	Abscess	Marked
Note: ABSCESS TGLs = 1-11			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8757

TRT#: 1

SEX: Male

DAY ON TEST: 131

DOSE: CONTROL MALE

DISP: Dead

HISTO: 88757

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Rectum	Lung	Nose	Penis
Pituitary Gland	Salivary Glands	Skin	Spleen
Testes	Thyroid Gland	Trachea	

**MISSING**

Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland	Seminal Vesicle
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**AUTO PRECLUDES DIAG.**

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Pancreas
Stomach - Forestomach	Stomach - Glandular	Urinary Bladder	

**OBSERVATIONS**

Kidney	Pelvis	Inflammation	Chronic Active, Mild
Liver		Fatty Change	Diffuse, Mild
Preputial Gland		Dilatation	Mild
Note: DILATATION TGLs = 2-15.2			
Prostate		Inflammation	Acute, Moderate
Thymus	Thymocyte	Necrosis	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8758

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88758

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Esophagus	Mammary Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hypertrophy	Focal, Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-6			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8759

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88759

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Larynx
Liver	Lung	Lymph Node - Mesenteric	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Brain	Mineralization	Multifocal, Minimal
Islets, Pancreatic	Hyperplasia	Mild
Liver		
Note: LIVER-GROSS LESION NOT VISIBLE AT TRIM		
Note: OR ON ORIGINAL OR RECUT SLIDE		
Skin	Ulcer	Marked
Note: ULCER TGLs = 1-11		
Spleen	Hematopoietic Cell Proliferation	Minimal
Thymus	Depletion Lymphoid	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8761

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Larynx	Liver
Lung	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Marked
Intestine Small	Jejunum, Peyers Patch	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 2-11			
Kidney	Cortex	Cyst	Minimal
Note: CYST TGLs = 3-8			
Liver			
Note: OF LOBE REPORTED TO CONTAIN FOCUS			
Note: GROSS LESION NOT SEEN AT TRIM OR IN SECTION			
Lymph Node	Mesenteric	Hemorrhage	Mild
	Mesenteric	Hyperplasia	Lymphoid, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Skin		Inflammation	Chronic Active, Marked
		Ulcer	Moderate
Note: ULCER TGLs = 1-11			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8762

TRT#: 1

SEX: Male

DAY ON TEST: 568

DOSE: CONTROL MALE

DISP: Moribund

HISTO: 88762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow		Hyperplasia	Neutrophil, Marked
Brain		Mineralization	Multifocal, Mild
Kidney		Infiltration Cellular	Mixed Cell, Moderate
		Nephropathy	Chronic, Mild
Lung		Giant Cell	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	Bronchiole	Inflammation	Chronic, Marked
Skin	Hair Follicle	Atrophy	Moderate
		Inflammation	Chronic, Moderate
		Inflammation	Chronic, Minimal
		Ulcer	Moderate

Note: ULCER TGLs = 2-15

Note: SKIN-FOLLICLES CONTAIN NO HAIR SHAFTS

Note: ATROPHY TGLs = 1-15

Spleen		Hematopoietic Cell Proliferation	Marked
Stomach	Forestomach	Abscess	Minimal
Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8763

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88763

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Liver	Lung	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
	Cortex	Hypertrophy	Focal, Mild
Brain		Mineralization	Multifocal, Moderate
Lymph Node	Mesenteric	Hemorrhage	Minimal
Skin		Inflammation	Chronic, Minimal

Note: INFLAMMATION TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8764

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88764

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lung
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Esophagus	Mammary Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Brain		Mineralization	Multifocal, Mild
Kidney	Renal Tubule	Degeneration	Focal, Minimal
		Infiltration Cellular	Lymphocyte, Minimal
Liver		Cytomegaly	Focal, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8765

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea

MISSING

Larynx	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Minimal
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Diffuse, Moderate
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-5			
Lung		Alveolar/Bronchiolar Adenoma	
		Lymphoma Malignant Undifferentiated Cell Type	
Note: ALV BRON ADEN TGLs = 4-6			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 5-3			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8767

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Nose	Pancreas	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hypertrophy	Focal, Minimal
Brain		Mineralization	Multifocal, Moderate
Liver		Fatty Change	Focal, Moderate
Note: FATTY CHANGE	TGLs = 6-5		
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 4-6		
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA	TGLs = 2-7		
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Thyroid Gland	Follicular Cel	Adenoma	
Note: ADENOMA	TGLs = 3-3+3.1		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8768

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88768

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Larynx	Liver
Lung	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea		

**MISSING**

Mammary Gland	Thymus
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Brain		Mineralization	Multifocal, Moderate
Intestine Small	Jejunum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 2-4			
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Minimal
Nose	Respirat Epith	Hyperplasia	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8770

TRT#: 1

SEX: Male

DAY ON TEST: 45

DOSE: CONTROL MALE

DISP: Dead

HISTO: 88770

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Gallbladder	Heart
Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node - Mesenteric	Nose	Pancreas	Pituitary Gland
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Esophagus	Intestine Large - Colon	Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Intestine Large	Rectum, Serosa	Inflammation	Suppurative, Marked
Penis		Necrosis	Marked
Note: PENIS-"NECROSIS" IS AN ULCER			
Note: NECROSIS TGLs = 1-15			
Prostate		Inflammation	Acute, Marked
Spleen		Hematopoietic Cell Proliferation	Marked
Thymus	Thymocyte	Necrosis	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8771

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88771

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lung	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Brain		Mineralization	Multifocal, Minimal
Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Cyst	Marked
		Cytomegaly	Focal, Mild
		Mitotic Alteration	Moderate
Note: CYST      TGLs = 2-5			
Lymph Node	Mesenteric	Hemorrhage	Moderate
	Iliac	Hyperplasia	Lymphoid, Marked
	Inguinal	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA      TGLs = 3-11			
Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8772

TRT#: 1

SEX: Male

DAY ON TEST: 53

DOSE: CONTROL MALE

DISP: Dead

HISTO: 88772

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mesenteric	Nose	Pancreas	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Testes
Thyroid Gland	Trachea		

**MISSING**

Mammary Gland	Parathyroid Gland
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**AUTO PRECLUDES DIAG.**

Intestine Small - Duodenum	Intestine Small - Jejunum
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**OBSERVATIONS**

Kidney	Pelvis	Inflammation	Acute, Marked
Penis		Necrosis	Marked
Note: PENIS-"NECROSIS" IS AN ULCER			
Note: NECROSIS TGLs = 1-15			
Prostate		Inflammation	Acute, Moderate
Seminal Vesicle		Inflammation	Acute, Marked
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular, Mucosa	Vacuolization Cytoplasmic	Marked
Thymus	Thymocyte	Necrosis	Marked
Urethra		Inflammation	Acute, Marked
Urinary Bladder		Inflammation	Acute, Marked
Note: INFLAMMATION TGLs = 2-5			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8774

TRT#: 1

SEX: Male

DAY ON TEST: 70

DOSE: CONTROL MALE

DISP: Dead

HISTO: 88774

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Islets, Pancreatic	Liver	Lung	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	

**MISSING**

Mammary Gland

**AUTO PRECLUDES DIAG.**

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mesenteric
Urinary Bladder			

**OBSERVATIONS**

Kidney	Cortex	Mineralization	Multifocal, Mild
Skin		Inflammation	Chronic, Mild
Note: INFLAMMATION TGLs = 1-15			
Spleen		Congestion	Moderate
Thymus	Thymocyte	Necrosis	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8775

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Ear	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Larynx
Lung	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Moderate
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Liver		Hemangiosarcoma	
Note: HEMANGIOSARC	TGLs = 3-5		
Note: HEMANGIOSARC	TGLs = 4-11		
Seminal Vesicle		Fibrosis	Marked
Note: FIBROSIS	TGLs = 5-8		
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL	TGLs = 1-5		
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8777

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88777

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Larynx	Lymph Node - Mesenteric
Nose	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Mild
Islets, Pancreatic		Hyperplasia	Moderate
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Liver		Infiltration Cellular	Lymphocyte, Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Moderate
	Peribronchial	Infiltration Cellular	Lymphocyte, Mild
Note: HYPERPLASIA TGLs = 4-11			
Pancreas		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Seminal Vesicle		Fibrosis	Moderate
		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8778

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88778

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Mammary Gland

**OBSERVATIONS**

Brain		Mineralization	Multifocal, Mild
Kidney		Infiltration Cellular	Lymphocyte, Moderate
		Nephropathy	Chronic, Marked
Liver		Hepatocholangiocarcinoma	
Note: HEPATOCHOLCARC TGLs = 1-11			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 2-6			
Lymph Node	Mesenteric	Hemorrhage	Minimal
		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASTIC NODE IS HEPATIC			
Mesentery		Infiltration Cellular	Lymphocyte, Moderate
Spleen		Hematopoietic Cell Proliferation	Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8779

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88779

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hyperplasia	Focal, Mild
Kidney		Nephropathy	Chronic, Minimal
Lung	Peribronchial	Infiltration Cellular	Lymphocyte, Mild
Lymph Node	Mesenteric	Hemorrhage	Moderate
Nose	Respirat Epith	Hyperplasia	Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8780

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88780

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Larynx	Liver	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Intestine Large - Colon	Mammary Gland	Pituitary Gland
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**OBSERVATIONS**

Brain		Mineralization	Multifocal, Mild
Intestine Small	Jejunum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 2-4			
Kidney	Renal Tubule	Degeneration	Focal, Mild
		Infiltration Cellular	Lymphocyte, Minimal
Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 4-1		Hyperplasia	Focal, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 3-2			
Nose	Mucosa	Degeneration	Hyaline, Minimal
	Respirat Epith	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 17:42:59

**First Dose M/F:** NA / NA

**Lab:** IRDC

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**ANIMAL ID:** 8781

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** CONTROL MALE

**DISP:** Interval Sacrifice

**HISTO:** 88781

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**OBSERVATIONS**

Brain

Cerebrum

Mineralization

Multifocal, Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8782

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: 88782

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Gallbladder	Mammary Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
	Cortex	Hypertrophy	Focal, Moderate
Brain		Mineralization	Multifocal, Mild
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Minimal
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Liver		Fatty Change	Focal, Mild
Note: FATTY CHANGE TGLs = 4-5			
Note: 2ND GROSS FOCUS NOT IN ORIGINAL SLIDE OR RECUT			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 5-6			
Note: 2ND GROSS FOCUS NOT IN ORIGINAL OR RECUT SLIDE			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8843

TRT#: 2

SEX: Male

DAY ON TEST: 732

DOSE: 6250PPM MALE

DISP: Terminal Sacrifice

HISTO: 88843

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Lung

Lymph Node

Skin

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Mild

Intestine Small

Jejunum, Peyers Patch

Hyperplasia

Lymphoid, Mild

Note: HYPERPLASIA TGLs = 5-4.1

Liver

Infiltration Cellular

Mixed Cell, Mild

Preputial Gland

Inflammation

Chronic, Marked

Note: INFLAMMATION TGLs = 2-11

Spleen

Lymphoma Malignant Histiocytic

Note: UNUSUAL NEOPLASM, POSSIBLY SARCOMA NOS OR MAST CELL TUMOR

Note: LYMPH MAL HIST TGLs = 4-5

PRIMARY CAUSE OF DEATH

-

Animal Note: NOT DISCERNIBLE IN WET TISSUES

Animal Note: GROSSLY ENLARGED MED. LYMPH NOTE

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8844

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88844

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

Lung

Spleen

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**OBSERVATIONS**

Brain

Mineralization

Multifocal, Mild

Liver

Note: GROSS FOCUS TRIMMED INTO BLOCKS.

Note: NOT IN SLIDE OR RECUR.

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8845

TRT#: 2

SEX: Male

DAY ON TEST: 628

DOSE: 6250PPM MALE

DISP: Moribund

HISTO: 88845

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mesenteric	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Adrenal Gland - Medulla	Mammary Gland	Parathyroid Gland	Pituitary Gland
Seminal Vesicle			

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Mixed	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone Marrow		Hyperplasia	Neutrophil, Marked
Brain		Mineralization	Multifocal, Mild
Intestine Small	Duodenum	Lymphoma Malignant Mixed	
Liver		Amyloid Deposition	Marked
		Hematopoietic Cell Proliferation	Mild
Note: AMYLOID DEP TGLs = 2-11			
Lung		Leukocytosis	Moderate
Lymph Node	Iliac	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 6-15.2			
Note: LYMPH MAL MIXD TGLs = 5-15.4			
Note: LYMPH MAL MIXD TGLs = 3-15.1			
Note: LYMPH MAL MIXD TGLs = 7-15.5			
Nose	Respirat Epith	Hyperplasia	Mild
Pancreas		Lymphoma Malignant Mixed	
Spleen		Hematopoietic Cell Proliferation	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8845

**TRT#:** 2  
**DOSE:** 6250PPM MALE

**SEX:** Male  
**DISP:** Moribund

**DAY ON TEST:** 628  
**HISTO:** 88845

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: HEMA CELL PROL TGLs = 1-12

Thymus

Lymphoma Malignant Mixed

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8846

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88846

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Lung

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Minimal

Liver

Hepatocellular Adenoma

Note: NOT IN SLIDE OR RECUT.

Note: GROSS RED FOCUS TRIMMED INTO BLOCK 5.

[ Hepatocellular Adenoma TGLS = 2-5+5.1 ]

Preputial Gland

Dilatation

Moderate

[ Dilatation TGLS = 1-11 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8847

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88847

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Spleen

---

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Minimal

Liver

Hepatocellular Adenoma

Infarct

Marked

Note: INFARCT TGLs = 1-11

Note: INFARCTED LOBE IS PROBABLY NEOPLASTIC

Note: BUT MORPHOLOGY IS OBSCURED

Lung

Alveolar/Bronchiolar Adenoma

Note: BORDERLINE VERSUS HYPERPLASIA

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8848

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88848

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Skin

---

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Minimal

Liver

Hepatocellular Adenoma

Note: HEPATOCLR ADEN TGLs = 2-5

Lung

Alveolar/Bronchiolar Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8849

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88849

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Intestine Small - Jejunum

Liver

Lung

---

**OBSERVATIONS**

Skin

Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8850

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88850

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Lung

---

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Minimal

Liver

Hepatocellular Adenoma

[ Hepatocellular Adenoma TGLS = 2-5 ]

Skin

Subcut Tiss

Fibroma

[ Fibroma TGLS = 1-11 ]

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8854

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88854

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Intestine Small - Jejunum  
Spleen

Liver

Lung

Skin

---

**OBSERVATIONS**

Lung

Note: NO TGL, GROSS "LESION" IS AGONAL OR PROSECTOR

Note: -INDUCED HEMORRHAGE

---

**PRIMARY CAUSE OF DEATH**

-

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Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8855

TRT#: 2

SEX: Male

DAY ON TEST: 732

DOSE: 6250PPM MALE

DISP: Terminal Sacrifice

HISTO: 88855

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Kidney

Liver

Seminal Vesicle

Spleen

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Mild

Intestine Small

Jejunum

Hyperplasia

Neutrophil, Moderate

Jejunum, Peyers Patch

Hyperplasia

Lymphoid, Moderate

Note: HYPERPLASIA TGLs = 6-11

[ Hyperplasia TGLS = 6-11 ]

Lung

Alveolar/Bronchiolar Carcinoma

Note: ALV BRON CARC TGLs = 5-6

Sem Ves

Note: SOMEWHAT ENLARGED BUT NOT PATHOLOGIC

Testes

Seminif Tub

Atrophy

Marked

Note: ATROPHY TGLs = 2-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8857

TRT#: 2

SEX: Male

DAY ON TEST: 711

DOSE: 6250PPM MALE

DISP: Dead

HISTO: 88857

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	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
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Testes	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Brain		Mineralization	Multifocal, Moderate
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Liver		Hemangiosarcoma	
		Necrosis	Focal, Moderate
Note: HEMANGIOSARC TGLs = 2-15			
Note: NECROSIS TGLs = 3-11			
Lymph Node	Mesenteric	Hemorrhage	Moderate
Spleen		Hemangiosarcoma	Metastatic (Liver)
		Hematopoietic Cell Proliferation	Marked
Stomach	Epithelium, Glandular	Hyperplasia	Focal, Mild
	Glandular	Inflammation	Chronic Active, Mild
Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8858

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88858

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

Lung

Skin

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8859

TRT#: 2

SEX: Male

DAY ON TEST: 607

DOSE: 6250PPM MALE

DISP: Moribund

HISTO: 88859

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Heart  
Intestine Small - Duodenum  
Kidney  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Pancreas  
Seminal Vesicle  
Testes

Bone  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Pituitary Gland  
Spleen  
Thyroid Gland

Bone Marrow  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Prostate  
Stomach - Forestomach  
Trachea

**MISSING**

Mammary Gland

Parathyroid Gland

Thymus

**OBSERVATIONS**

Adrenal Gland  
Skeletal Muscle  
Skin

Capsule  
Subcut Tiss

Hyperplasia  
Fibrosarcoma  
Fibrosarcoma

Multifocal, Minimal  
Metastatic (Uncertain Primary Site)

Note: ADJACENT TISSUE AND SURROUNDED BY COLLAGEN (15.1)

Note: FIBROSARC TGLs = 3-15.1+15.2+7+15.3

Note: SKIN LESION(TGL 2) NOT IN WET TISSUES

Note: SOME BUNDLES OF CELLS DISTINCTLY SEPARATED FROM

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8863

**TRT#:** 2  
**DOSE:** 6250PPM MALE

**SEX:** Male  
**DISP:** Dead

**DAY ON TEST:** 714  
**HISTO:** 88863

---

**OBSERVATIONS**

Brain  
Liver  
    Note: LYMPH MAL MIXD   TGLs = 3-5  
Lung  
Spleen  
    Note: LYMPH MAL MIXD   TGLs = 2-5

Mineralization  
Lymphoma Malignant Mixed  
  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed

Multifocal, Moderate

---

PRIMARY CAUSE OF DEATH

---

-

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8865

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88865

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Intestine Small - Jejunum

Liver

Lung

Spleen

---

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Mild

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8866

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88866

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Kidney

Lung

Spleen

**OBSERVATIONS**

Kidney

Note: GROSS FOCUS NOT IN ORIGINAL, RECUT, OR RETRIM

Liver

Note: NECROSIS TGLs = 2-5

Necrosis

Focal, Mild

Preputial Gland

Cyst

Marked

Note: INFLAMMATION TGLs = 1-11

Inflammation

Chronic, Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8868

**TRT#:** 2  
**DOSE:** 6250PPM MALE

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 88868

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

Lung

Skin

---

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Moderate

Preputial Gland

Dilatation

Mild

[ Dilatation TGLS = 2-11 ]

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8869

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88869

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Liver

Lung

Lymph Node

Spleen

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Minimal

Intestine Small

Jejunum, Peyers Patch

Hyperplasia

Lymphoid, Moderate

[ Hyperplasia TGLS = 2-4 ]

Lymph Node

Note: LYMPH NODE IS MANDIBULAR. NOTE AT RETRIM

Note: NOT ENLARGED.

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8870

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88870

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

Lung

Skin

Spleen

---

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Moderate

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8872

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88872

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Liver

Lung

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Mild

Intestine Small

Ileum, Peyers Patch

Hyperplasia

Lymphoid, Marked

[ Hyperplasia TGLS = 2-7 ]

Skin

Carcinoma

Spleen

Lymphoma Malignant Lymphocytic

[ Lymphoma Malignant Lymphocytic TGLS = 3-5 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8873

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88873

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

Lung

Skin

Spleen

---

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Moderate

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8874

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88874

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

Lung

Spleen

---

**OBSERVATIONS**

Kidney

Infarct

Marked

[ Infarct TGLS = 2-8 ]

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8875

TRT#: 2

SEX: Male

DAY ON TEST: 279

DOSE: 6250PPM MALE

DISP: Dead

HISTO: 88875

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Heart	Intestine Large - Colon
Intestine Large - Rectum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea		

**MISSING**

Mammary Gland	Thymus
---------------	--------

**AUTO PRECLUDES DIAG.**

Gallbladder	Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Prostate	Urinary Bladder	

**OBSERVATIONS**

Brain		Mineralization	Multifocal, Minimal
Kidney	Cortex	Mineralization	Multifocal, Minimal
Note: MINERAL MAY BE PARTLY POST MORTEM ARTIFACT			
Penis		Inflammation	Acute, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8876

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 6250PPM MALE

DISP: Terminal Sacrifice

HISTO: 88876

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Lung

**OBSERVATIONS**

Brain		Mineralization	Multifocal, Minimal
Liver	Serosa	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 6-5			
Lymph Node	Mesenteric	Hemorrhage	Mild
	Inguinal	Hyperplasia	Plasma Cell, Marked
Note: HEMORRHAGE TGLs = 4-7			
Note: HYPERPLASIA TGLs = 3-12			
Skin		Inflammation	Chronic Active, Marked
		Ulcer	Marked
Note: ULCER TGLs = 1-11			
Note: INFLAMMATION TGLs = 1-11			
Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 5-5 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:42:59

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8877

TRT#: 2

SEX: Male

DAY ON TEST: 696

DOSE: 6250PPM MALE

DISP: Moribund

HISTO: 88877

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Parathyroid Gland	Pituitary Gland	Salivary Glands
Testes			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Lymphocytic	
	Medulla	Lymphoma Malignant Lymphocytic	
Bone Marrow		Lymphoma Malignant Lymphocytic	
Brain		Hemorrhage	Minimal
		Lymphoma Malignant Lymphocytic	
		Mineralization	Multifocal, Minimal
Epididymis		Lymphoma Malignant Lymphocytic	
Heart	Myocardium	Fibrosis	Mild
		Lymphoma Malignant Lymphocytic	
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Lymphoma Malignant Lymphocytic	
Liver		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 3-11		
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Prefemoral	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 4-1		
Note: LYMPH MAL LYMP	TGLs = 4-15.1+15.2+15.3+15.4		
Nose	Mucosa	Lymphoma Malignant Lymphocytic	
Pancreas		Lymphoma Malignant Lymphocytic	
Prostate		Lymphoma Malignant Lymphocytic	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8877

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 696

**DOSE:** 6250PPM MALE

**DISP:** Moribund

**HISTO:** 88877

**ORGAN AND ACCOUNTABLE SITE STATUS**

Seminal Vesicle		Lymphoma Malignant Lymphocytic	
Skin	Subcut Tiss	Edema	Mild
		Lymphoma Malignant Lymphocytic	
Note: EDEMA	TGLs = 1-7		
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 2-12		
Stomach	Forestomach	Lymphoma Malignant Lymphocytic	
	Glandular	Lymphoma Malignant Lymphocytic	
Thymus		Depletion Lymphoid	Moderate
Thyroid Gland		Infiltration Cellular	Lymphocyte, Mild
Trachea		Infiltration Cellular	Lymphocyte, Moderate
Urinary Bladder		Lymphoma Malignant Lymphocytic	
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 17:42:59

**First Dose M/F:** NA / NA

**Lab:** IRDC

---

**ANIMAL ID:** 8878

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88878

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

Lung

Spleen

---

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Mild

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8879

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88879

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Kidney

Lung

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Moderate

Kidney

Note: GROSS CYSTS NOT IN ORIGINAL, RE CUT, OR RETRIM

Liver

Hepatocellular Carcinoma

Hepatocyte

Hyperplasia

Focal, Moderate

Note: HYPERPLASIA TGLs = 3-12

Note: HEPATOCLR CARC TGLs = 2-5

Spleen

Hyperplasia

Lymphoid, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8882

**TRT#:** 2  
**DOSE:** 6250PPM MALE

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 88882

---

**OBSERVATIONS**

Liver  
Note: HEPATOCLR CARC TGLs = 1-5

Hepatocellular Carcinoma

Lung  
Note: HEPATOCLR CARC TGLs = 2-6

Hepatocellular Carcinoma

Metastatic (Liver)

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PRIMARY CAUSE OF DEATH

-

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**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8883

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88883

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone

Epididymis

Lung

Spleen

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Minimal

Epididymis

Note: GROSS FOCUS TRIMMED INTO BLOCK 8.

Note: NOT IN SECTION OR RECUT.

Eye

Lens

Cataract

Mild

Harderian Gland

Adenoma

Note: ADENOMA TGLs = 6-11

Kidney

Cortex

Cyst

Moderate

Note: CYST TGLs = 4-8.1

Liver

Hepatocellular Adenoma

Note: HEPATOCLR ADEN TGLs = 2-5+5.1

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8884

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88884

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

Lung

Spleen

---

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Mild

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:42:59  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8885

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88885

---

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Moderate

Liver

Necrosis

Focal, Minimal

Lung

Artery

Hypertrophy

Multifocal, Mild

Perivascular

Infiltration Cellular

Lymphocyte, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8886

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88886

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Liver

Lung

Spleen

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Mild

Lymph Node

Mesenteric

Hemorrhage

Moderate

Mesenteric

Hyperplasia

Lymphoid, Mild

Note: HYPERPLASIA TGLs = 4-7.1

Note: MANDIBULAR LYMPH NODES NOT LOCATED IN WET TISSUES.

[ Hyperplasia TGLS = 4-7.1 ]

Preputial Gland

Inflammation

Chronic, Moderate

[ Inflammation TGLS = 2-11 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8887

TRT#: 2

SEX: Male

DAY ON TEST: 605

DOSE: 6250PPM MALE

DISP: Dead

HISTO: 88887

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Liver  
Prostate  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Heart  
Nose  
Salivary Glands  
Testes

Bone  
Islets, Pancreatic  
Pancreas  
Skeletal Muscle  
Thyroid Gland

Epididymis  
Kidney  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

**MISSING**

Mammary Gland

Thymus

**AUTO PRECLUDES DIAG.**

Gallbladder  
Intestine Small - Duodenum

Intestine Large - Cecum  
Intestine Small - Ileum

Intestine Large - Colon  
Intestine Small - Jejunum

Intestine Large - Rectum  
Lymph Node - Mesenteric

**OBSERVATIONS**

Bone Marrow  
Brain  
Lung  
  
Lymph Node  
Pituitary Gland  
Skin  
Spleen

Alveolus  
  
Pars Distalis  
Subcut Tiss

Hyperplasia  
Mineralization  
Infiltration Cellular  
Leukocytosis  
Sarcoma  
Hyperplasia  
Sarcoma  
Hematopoietic Cell Proliferation

Neutrophil, Moderate  
Multifocal, Minimal  
Histiocyte, Mild  
Mild  
Metastatic (Skin)  
Focal, Mild  
Marked

Note: HEMA CELL PROL TGLs = 2-12

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8888

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88888

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Intestine Small - Jejunum

Lung

Spleen

---

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Minimal

Liver

Infiltration Cellular

Lymphocyte, Minimal

Lung

Note: OF POORLY INFLATED AREAS.

Note: GROSS FOCI MAY BE MISINTERPRETATION

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8889

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88889

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Intestine Small - Jejunum

Liver

Lung

Spleen

---

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Mild

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8890

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88890

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Spleen

---

**OBSERVATIONS**

Liver Hepatocellular Adenoma

[ Hepatocellular Adenoma TGLS = 2-5 ]

Lung Alveolar Epith Hyperplasia Focal, Moderate

[ Hyperplasia TGLS = 3-6 ]

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8891

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88891

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Minimal

Lung

Alveolar/Bronchiolar Adenoma

Note: ALV BRON ADEN TGLs = 2-6

Spleen

Hyperplasia

Lymphoid, Mild

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8892

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88892

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Intestine Small - Jejunum

Liver

Lung

Spleen

---

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Mild

Liver

Note: GROSS FOCUS NOT IN SECTION OR RECUT.

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8893

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88893

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Lung Spleen

**OBSERVATIONS**

Brain	Mineralization	Multifocal, Minimal
Liver	Hepatocellular Adenoma	
Note: NOT IN SLIDE 5 OR 5.1.		
Note: GROSS FOCUS (LEFT) TRIMMED IN BLOCK 5.		
[ Hepatocellular Adenoma TGLS = 3-11 ]		
Preputial Gland	Inflammation	Chronic, Marked
[ Inflammation TGLS = 2-12 ]		

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8894

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88894

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Lung Spleen

**OBSERVATIONS**

Brain	Mineralization	Multifocal, Mild
Liver	Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 3-5+5.1 ]		
Seminal Vesicle	Fibrosis	Moderate
	Inflammation	Chronic, Mild
[ Fibrosis TGLS = 4-14 ]		
[ Inflammation TGLS = 4-14 ]		

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8895

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88895

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

Lung

---

**OBSERVATIONS**

Kidney

Cortex

Cyst

Mild

[ Cyst TGLS = 2-8.1 ]

Spleen

Hemangiosarcoma

[ Hemangiosarcoma TGLS = 1-5 ]

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8896

TRT#: 2

SEX: Male

DAY ON TEST: 209

DOSE: 6250PPM MALE

DISP: Dead

HISTO: 88896

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Rectum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mesenteric	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

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

**AUTO PRECLUDES DIAG.**

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Stomach - Forestomach	Stomach - Glandular

**OBSERVATIONS**

Kidney	Cortex	Mineralization	Multifocal, Mild
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Note: MINERAL MAY BE PARTLY POST MORTEM ARTIFACT

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8897

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88897

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

Spleen

---

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Mild

Lung

Peribronchiolr

Infiltration Cellular

Lymphocyte, Mild

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8898

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88898

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small - Jejunum

Liver

**OBSERVATIONS**

Brain

Mineralization

Multifocal, Minimal

Liver

Note: NOT IN SLIDE 5 OR 5.1

Note: GROSS FOCUS TRIMMED INTO BLOCK 5.

Lung

Alveolar Epith

Hyperplasia

Focal, Mild

Note: HYPERPLASIA TGLs = 6-6

Lymph Node

Mediastinal

Lymphoma Malignant Lymphocytic

Mesenteric

Lymphoma Malignant Lymphocytic

Note: LYMPH MAL LYMP TGLs = 3-7

[ Lymphoma Malignant Lymphocytic TGLS = 5-11 ]

Spleen

Lymphoma Malignant Lymphocytic

Note: LYMPH MAL LYMP TGLs = 1-5+5.1

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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<b>ANIMAL ID:</b> 8899	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 6250PPM MALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 88899

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Kidney	Liver	Lung	Spleen
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**OBSERVATIONS**

Brain		Mineralization	Multifocal, Minimal
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Kidney  
Note: GROSS CYSTS NOT SEEN AT MICRO EXAM.

Lung  
Note: GROSS FOCUS NOT DISCERNIBLE AT TRIM  
Note: OR AT MICRO EXAM

Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Minimal
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Note: HYPERPLASIA TGLs = 3-7  
Note: MANDIBULAR LYMPH NODE NOT LOCATED IN WET TISSUES.

Preputial Gland		Dilatation Inflammation	Moderate Chronic, Mild
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[ Dilatation TGLS = 1-11 ]

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8900

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 6250PPM MALE

**DISP:** Terminal Sacrifice

**HISTO:** 88900

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

Lung

Spleen

---

**OBSERVATIONS**

Liver

Note: GROSS FOCUS TRIMMED INTO BLOCK 5.

Lung

Note: NOT IN SLIDE 5 OR 5.1.

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8901

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 439

**DOSE:** 6250PPM MALE

**DISP:** Dead

**HISTO:** 88901

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Bone Marrow	Brain	Epididymis
Heart	Intestine Large - Rectum	Liver	Nose
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Testes			

**MISSING**

Mammary Gland	Thymus		
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**AUTO PRECLUDES DIAG.**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Esophagus	Gallbladder
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea			

**OBSERVATIONS**

Urinary Bladder		Infiltration Cellular	Lymphocyte, Marked
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**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8963

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88963

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Islets, Pancreatic	Larynx	Lymph Node - Mesenteric
Nose	Pancreas	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Intestine Small - Duodenum	Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Adenoma	
	Capsule	Hyperplasia	Multifocal, Moderate
Intestine Small	Jejunum, Peyer's Patch	Hyperplasia	Lymphoid, Minimal
Note: HYPERPLASIA TGLs = 1-4			
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-11			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-6			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8965

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88965

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Larynx	Lung	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 5-5+5.1			
Skin	Subcut Tiss	Schwannoma Nos	
		Ulcer	Marked
Note: HAS GRANULAR CELL COMPONENT.			
Note: ULCER TGLs = 2-12			
Note: SCHWANNOMA NOS TGLs = 1-12			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 3-5			
Thymus		Depletion Lymphoid	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8966

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88966

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Liver	Lung	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
	Cortex	Hypertrophy	Focal, Minimal
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hemorrhage	Mild
	Mesenteric	Hemorrhage	Minimal
	Mesenteric	Hyperplasia	Lymphoid, Minimal
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 1-11		
Tooth		Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8967

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88967

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Liver	Lung
Lymph Node - Mesenteric	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
	Cortex	Hypertrophy	Focal, Mild
Brain		Mineralization	Multifocal, Minimal
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Kidney	Cortex	Cyst	Moderate
Tooth		Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8968

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88968

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Kidney		Nephropathy	Chronic, Minimal
Pituitary Gland	Pars Distalis	Cyst	Mild
Note: CYST      TGLs = 2-3			
Preputial Gland		Abscess	Marked
		Cyst	Marked
Note: ABSCESS      TGLs = 3-11			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8969

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88969

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Larynx	Lung	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland	Thymus
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-5			
Lung			
Note: GROSS FOCUS NOT IN ORIGINAL OR RECUT SLIDE			
Lymph Node		Hyperplasia	Plasma Cell, Mild
Skin	Subcut Tiss	Sarcoma	
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 1-5			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8970

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Kidney	Larynx	Lung	Nose
Pancreas	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

Adrenal Gland	Capsule Medulla	Hyperplasia Pheochromocytoma Benign	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Moderate
Intestine Small	Jejunum, Peyers Patch	Hyperplasia	Lymphoid, Minimal
Note: HYPERPLASIA TGLs = 2-4			
Liver		Cytomegaly	Focal, Mild
Note: CYTOMEGALY TGLs = 3-5			
Lymph Node	Inguinal Mesenteric	Hyperplasia Hyperplasia	Lymphoid, Moderate Lymphoid, Moderate
Spleen		Dysplasia	Moderate
Note: GROSS FOCUS NOT IN ORIGINAL, RECUT OR RETRIM			
Note: 'DSYPLASIA'(COMPRESSION) IN RT 5.2			
Note: MAY CORRESPOND TO GROSS LESION			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05706-01

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 17:43:00

**First Dose M/F:** NA / NA

**Lab:** IRDC

**ANIMAL ID:** 8973

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 22

**DOSE:** 12500PPMALE

**DISP:** Moribund

**HISTO:** 88973

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

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 - Mesenteric

Nose

Pancreas

Pituitary Gland

Prostate

Salivary Glands

Seminal Vesicle

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thyroid Gland

Trachea

Urinary Bladder

**MISSING**

Mammary Gland

Parathyroid Gland

Thymus

**OBSERVATIONS**

Skin

Prepuce

Ulcer

Moderate

Note: ULCER

TGLs = 1-15

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8975

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88975

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Larynx	Liver	Lung	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea		

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Intestine Small Note: HYPERPLASIA TGLs = 2-7	Ileum, Peyers Patch	Hyperplasia	Lymphoid, Marked
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Minimal
Preputial Gland Note: CYST TGLs = 1-11		Cyst	Marked
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8976

TRT#: 3

SEX: Male

DAY ON TEST: 22

DOSE: 12500PPMALE

DISP: Dead

HISTO: 88976

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Kidney  
Prostate  
Stomach - Glandular

Adrenal Gland - Medulla  
Heart  
Liver  
Seminal Vesicle  
Testes

Bone  
Intestine Large - Colon  
Lung  
Skin  
Trachea

Epididymis  
Islets, Pancreatic  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

**MISSING**

Brain  
Parathyroid Gland

Lymph Node - Mesenteric  
Pituitary Gland

Mammary Gland  
Salivary Glands

Nose  
Thyroid Gland

**AUTO PRECLUDES DIAG.**

Gallbladder  
Intestine Small - Ileum

Intestine Large - Cecum  
Intestine Small - Jejunum

Intestine Large - Rectum

Intestine Small - Duodenum

**OBSERVATIONS**

Bone Marrow  
Penis  
Note: PENIS-"NECROSIS" IS AN ULCER.  
Note: NECROSIS TGLs = 2-15

Erythroid Cell

Depletion Cellular  
Necrosis

Mild  
Marked

Spleen  
Thymus

Depletion Lymphoid  
Depletion Lymphoid

Mild  
Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: PART OF HEAD CANNIBALIZED

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8977

TRT#: 3

SEX: Male

DAY ON TEST: 645

DOSE: 12500PPMALE

DISP: Moribund

HISTO: 88977

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

**MISSING**

Intestine Large - Rectum	Mammary Gland
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**OBSERVATIONS**

Bone Marrow		Lymphoma Malignant Undifferentiated Cell Type	
Heart	Myocardium	Mineralization	Multifocal, Minimal
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
Liver		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 2-11		
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Moderate
Seminal Vesicle		Inflammation	Chronic, Moderate
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 1-12		
Testes		Mineralization	Focal, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8978

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88978

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Liver	Lung	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hypertrophy	Focal, Moderate
Brain		Mineralization	Multifocal, Moderate
Lymph Node	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 2-7			
Spleen		Lymphoma Malignant Undifferentiated Cell Type	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8979

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88979

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Larynx	Liver	Lung	Lymph Node - Mesenteric
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hypertrophy	Focal, Mild
Lung			
Note: GROSS RED FOCUS NOT IN ORIGINAL OR RECUT SLIDE			
Nose	Respirat Epith	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8980

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88980

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Lung	Lymph Node - Mesenteric	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Moderate
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Nose	Respirat Epith	Hyperplasia	Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Spleen		Hyperplasia	Lymphoid, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8981

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88981

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Larynx	Nose	Pancreas	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Mild
Liver		Infiltration Cellular	Mixed Cell, Moderate
		Mitotic Alteration	Mild
Note: LIVER-GROSS RED FOCI ARE PROSECTOR INDUCED			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 3-6			
Lymph Node	Mesenteric	Hemorrhage	Minimal
	Mesenteric	Hyperplasia	Lymphoid, Mild
Note: HEMORRHAGE TGLs = 6-7			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8982

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88982

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Liver	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
	Cortex	Hypertrophy	Focal, Marked
Brain		Mineralization	Multifocal, Mild
Lung	Alveolar Epith	Hyperplasia	Focal, Marked
Lymph Node	Mesenteric	Hemorrhage	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8983

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Colon	Intestine Large - Rectum	Islets, Pancreatic	Kidney
Larynx	Liver	Lung	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Gallbladder	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Intestine Large	Cecum, Peyers Patch	Lymphoma Malignant Mixed	
Intestine Small	Duodenum, Peyers Patch	Lymphoma Malignant Mixed	
	Ileum, Peyers Patch	Lymphoma Malignant Mixed	
	Jejunum, Peyers Patch	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-7			
Note: LYMPH MAL MIXD TGLs = 4-7			
Note: LYMPH MAL MIXD TGLs = 4-4			
Lymph Node	Inguinal	Hyperplasia	Plasma Cell, Mild
	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: HYPERPLASIA TGLs = 3-11			
Preputial Gland		Dilatation	Marked
Note: DILATATION TGLs = 1-11			
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: LYMPHOID ORGANS MAY HAVE HYPERPLASIA AS WELL AS LYMPHOMA

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8984

TRT#: 3

SEX: Male

DAY ON TEST: 131

DOSE: 12500PPMALE

DISP: Moribund

HISTO: 88984

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea			

**MISSING**

Mammary Gland

**OBSERVATIONS**

Kidney	Renal Tubule	Dilatation	Mild
Note: DILATATION	TGLs = 3-12		
Penis		Congestion	Marked
Note: CONGESTION	TGLs = 1-15		
Preputial Gland		Dilatation	Minimal
Note: DILATATION	TGLs = 2-15		
Thymus		Depletion Lymphoid	Marked
Urethra	Bulboureth GI	Inflammation	Acute, Moderate
Urinary Bladder		Dilatation	Marked
Note: DILATATION	TGLs = 4-5		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8985

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88985

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pancreas  
Skin  
Testes  
Urinary Bladder

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Pituitary Gland  
Spleen  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Liver  
Prostate  
Stomach - Forestomach  
Thyroid Gland

Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Seminal Vesicle  
Stomach - Glandular  
Trachea

**MISSING**

Larynx

Lymph Node - Mesenteric

Mammary Gland

Parathyroid Gland

**OBSERVATIONS**

Adrenal Gland  
  
Brain  
Kidney

Capsule  
Cortex  
Cortex

Hyperplasia  
Hyperplasia  
Hypertrophy  
Mineralization  
Infiltration Cellular  
Nephropathy

Multifocal, Mild  
Focal, Mild  
Focal, Moderate  
Multifocal, Minimal  
Lymphocyte, Minimal  
Chronic, Minimal

Note: GROSS "CYSTS" NOT SEEN AT TRIM OR IN SECTIONS

Lung

Note: GROSS NODULE NOT IN ORIGINAL OR 2 RECUTS

Lymph Node

Note: "ENLARGED MEDIASTINAL NODE" IS ACTUALLY THYMUS

Nose

Respirat Epith

Hyperplasia  
Infiltration Cellular

Minimal  
Lymphocyte, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8986

TRT#: 3

SEX: Male

DAY ON TEST: 130

DOSE: 12500PPMALE

DISP: Moribund

HISTO: 88986

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Islets, Pancreatic  
Pancreas  
Seminal Vesicle  
Thyroid Gland

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Liver  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

Bone  
Heart  
Intestine Small - Ileum  
Lung  
Penis  
Stomach - Glandular

Brain  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Salivary Glands  
Testes

**MISSING**

Gallbladder

Intestine Large - Rectum

Mammary Gland

Pituitary Gland

**OBSERVATIONS**

Bone Marrow  
Kidney  
Nose  
Preputial Gland  
Prostate  
Skin  
Spleen  
Thymus  
Urinary Bladder

Pelvis  
Mucosa

Hyperplasia  
Inflammation  
Inflammation  
Cyst  
Inflammation  
Inflammation  
Depletion Lymphoid  
Depletion Lymphoid  
Dilatation  
Inflammation

Neutrophil, Mild  
Acute, Mild  
Acute, Minimal  
Moderate  
Chronic Active, Moderate  
Acute, Moderate  
Mild  
Marked  
Moderate  
Acute, Mild

Note: DILATATION TGLs = 3-5

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8987

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Larynx	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3-5			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 5-6			
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Moderate
	Mesenteric	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 7-7+11			
Preputial Gland		Abscess	Marked
[ Abscess TGLS = 2-12 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8988

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88988

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Liver	Lung	Lymph Node - Mesenteric
Nose	Pancreas	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland	Parathyroid Gland	Pituitary Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Kidney		Nephropathy	Chronic, Minimal
Skin	Subcut Tiss	Sarcoma	
Note: POSSIBLE FIBROSARCOMA OR RHABDOMYOSARCOMA			
Note: (A FEW BIZARRE GIANT CELLS PRESENT).			
Note: SARCOMA TGLs = 1-11			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 2-5			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8989

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88989

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Intest Small			
Note: TGL 3-PEYER'S PATCH WITHIN NORMAL LIMITS			
Kidney		Nephropathy	Chronic, Minimal
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NOT 'ENLARGED' AT TRIM.			
Preputial Gland		Inflammation	Chronic, Marked
Note: INFLAMMATION TGLs = 1-11			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 2-11			
Note: ADJACENT TISSUE, SURROUNDED BY COLLAGEN.			
Note: SOME BUNDLES OF CELLS DISTINCTLY SEPARATED FROM			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8991

TRT#: 3

SEX: Male

DAY ON TEST: 438

DOSE: 12500PPMALE

DISP: Moribund

HISTO: 88991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Pituitary Gland  
Testes

Bone  
Heart  
Intestine Small - Duodenum  
Nose  
Salivary Glands  
Thyroid Gland

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Pancreas  
Stomach - Forestomach  
Trachea

MISSING

Gallbladder  
Thymus

Lymph Node - Mesenteric

Mammary Gland

Prostate

OBSERVATIONS

Adrenal Gland  
Bone Marrow  
Kidney

Capsule

Hyperplasia  
Hyperplasia  
Infiltration Cellular  
Lymphoma Malignant Histiocytic  
Hematopoietic Cell Proliferation  
Lymphoma Malignant Histiocytic

Multifocal, Minimal  
Neutrophil, Marked  
Mixed Cell, Minimal

Liver

Lymphoma Malignant Histiocytic

Minimal

Note: LYMPH MAL HIST TGLs = 3-15.2

Lung

Note: LYMPH MAL HIST TGLs = 4-4+15.4

Lymph Node

Lumbar  
Renal

Hyperplasia  
Hyperplasia  
Hyperplasia

Plasma Cell, Marked  
Plasma Cell, Marked  
Plasma Cell, Moderate

Note: HYPERPLASIA TGLs = 6-15.6

Note: HYPERPLASIA TGLs = 7-15.5

Note: HYPERPLASIA TGLs = 5-15.3

Seminal Vesicle

Skin

Inflammation  
Inflammation  
Lymphoma Malignant Histiocytic

Chronic, Mild  
Acute, Moderate

Note: LYMPH MAL HIST TGLs = 1-15.1

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8991

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 438

**DOSE:** 12500PPMALE

**DISP:** Moribund

**HISTO:** 88991

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen

Hematopoietic Cell Proliferation

Marked

Note: HEMA CELL PROL TGLs = 2-12

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**PRIMARY CAUSE OF DEATH** -

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Animal Note: POORLY DIFFERENTIATED NEOPLASM

Animal Note: DIFFERENTIAL IS MALIGNANT

Animal Note: ASSOC. WITH HAIR FOLLICLES & VACUOLATED CYTOPLASM

Animal Note: SCHWANNOMA, SEBACEOUS CARCINOMA. NOTE NEST OF CELLS

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8992

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88992

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Larynx	Mammary Gland	Thymus
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**OBSERVATIONS**

Liver		Cytomegaly	Focal, Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 4-6		
Lymph Node	Mesenteric	Hemorrhage	Mild
Note: HEMORRHAGE	TGLs = 5-7		
Skin	Subcut Tiss	Fibrosarcoma	
		Inflammation	Chronic, Moderate
Note: FIBROSARC	TGLs = 1+2-2+11		
Note: SOME BUNDLES OF CELLS DISTINCTLY SEPARATED FROM			
Note: ADJACENT TISSUE AND SURROUNDED BY COLLAGEN			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8993

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88993

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Larynx	Lung
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Lymph Node - Mesenteric	Mammary Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Mild
Intestine Small	Jejunum, Peyer's Patch	Hyperplasia	Lymphoid, Minimal
Note: HYPERPLASIA TGLs = 2-4			
Kidney		Infiltration Cellular	Lymphocyte, Minimal
	Cortex	Mineralization	Multifocal, Mild
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3-5			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8994

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88994

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lung	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**OBSERVATIONS**

Intest Small			
Note: PEYER'S PATCH WITHIN NORMAL LIMITS			
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Moderate
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Liver		Fatty Change	Focal, Mild
[ Fatty Change TGLS = 2-5 ]			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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<b>ANIMAL ID:</b> 8996	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 12500PPMALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 88996

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Adrenal Gland - Medulla	Mammary Gland	Prostate
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8997

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88997

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Seminal Vesicle  
Stomach - Glandular  
Trachea

Bone Marrow  
Gallbladder  
Intestine Small - Duodenum  
Larynx  
Pancreas  
Skin  
Testes  
Urinary Bladder

Brain  
Heart  
Intestine Small - Ileum  
Liver  
Prostate  
Spleen  
Thymus

**MISSING**

Adrenal Gland - Medulla

Mammary Gland

Parathyroid Gland

Pituitary Gland

**OBSERVATIONS**

Intestine Large  
Kidney  
Lung

Cecum, Peyers Patch

Hyperplasia  
Infiltration Cellular  
Alveolar/Bronchiolar Adenoma

Lymphoid, Mild  
Lymphocyte, Minimal

Note: ALV BRON ADEN TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8998

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 88998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic
Larynx	Lung	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Mild
Intestine Large	Cecum, Peyers Patch	Lymphoma Malignant Mixed	
Intestine Small	Ileum, Peyers Patch	Lymphoma Malignant Mixed	
	Jejunum	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 3-7		
Note: LYMPH MAL MIXD	TGLs = 3-4		
Kidney		Hydronephrosis	Moderate
	Pelvis	Inflammation	Acute, Marked
Note: HYDRONEPHROSIS	TGLs = 8-8		
Note: INFLAMMATION	TGLs = 7-8+8.1+8.2+8.1.1		
Liver	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
Note: GROSS YELLOW NODULE NOT SEEN AT RETRIM			
Lymph Node	Axillary	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 9-12		
Note: LYMPH MAL MIXD	TGLs = 4-11		
Ureter		Hyperplasia	Mild
Urinary Bladder		Lymphoma Malignant Mixed	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8998

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 12500PPMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88998

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LYMPH MAL MIXD TGLs = 5-12

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9000

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 89000

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Larynx	Liver	Lung
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Marked
Intestine Small	Jejunum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 1-4			
Kidney	Renal Tubule	Degeneration	Focal, Minimal
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Tooth		Abscess	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9001

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 89001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Larynx	Liver	Lung	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Gallbladder	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Marked
Brain		Mineralization	Multifocal, Minimal
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 2-7			
Intestine Small	Jejunum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 1-4			
Kidney		Infiltration Cellular	Lymphocyte, Mild
Note: NATURE OF GROSS LESION IS UNCERTAIN			
Liver			
Note: GROSS FOCUS NOT IN ORIGINAL OR RECUT			
Lymph Node	Mesenteric	Hemorrhage	Minimal
Note: HEMORRHAGE TGLs = 4-7			
Note: MAND. L.N. NOT IN ORIGINAL OR RECUT			
Nose	Mucosa	Degeneration	Hyaline, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9002

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 89002

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Mammary Gland	Urinary Bladder
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
	Cortex	Hypertrophy	Focal, Minimal
Liver		Fatty Change	Focal, Mild
Note: FATTY CHANGE	TGLs = 2-5.1		
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 3-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9003

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 89003

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Larynx
Lung	Lymph Node - Mesenteric	Mesentery	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Cyst	Marked
Note: CYST	TGLs = 4-5.1		
Lymph Node			
Note: MAND. L.N. NOT IN ORIGINAL OR RECUT OR RETRIM			
Pancreas	Acinus	Atrophy	Mild
		Infiltration Cellular	Lymphocyte, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9004

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 89004

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Intest Small			
Note: TGL 2-PEYER'S PATCH WITHIN NORMAL LIMITS			
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9005

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 89005

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Larynx	Liver
Lung	Lymph Node - Mesenteric	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
	Cortex	Hyperplasia	Focal, Mild
Islets, Pancreatic		Hyperplasia	Minimal
Kidney	Cortex	Cyst	Moderate
		Infiltration Cellular	Lymphocyte, Minimal
Note: CYST	TGLs = 3-11		
Nose	Mucosa	Degeneration	Hyaline, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9006

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 89006

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Esophagus	Larynx	Mammary Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Ectopic Tissue	Mild
	Capsule	Hyperplasia	Multifocal, Mild
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Moderate
Kidney	Pelvis	Fibrosis	Mild
Lymph Node	Mesenteric	Hemorrhage	Mild
Nose	Respirat Epith	Hyperplasia	Minimal
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9008

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12500PPMMALE

DISP: Terminal Sacrifice

HISTO: 89008

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Bone Marrow	Epididymis	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Larynx	Lung
Lymph Node - Mesenteric	Nose	Pancreas	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
	Medulla	Hyperplasia	Focal, Mild
	Cortex	Hypertrophy	Focal, Minimal
Brain		Mineralization	Multifocal, Mild
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 2-11		
Note: HEPATOCLR ADEN	TGLs = 1+3-5		
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9009

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 89009

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Larynx	Lung	Lymph Node - Mesenteric
Nose	Pancreas	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea			

**MISSING**

Mammary Gland	Parathyroid Gland	Pituitary Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 4-5			
Preputial Gland		Cyst	Moderate
		Inflammation	Chronic, Moderate
Note: CYST TGLs = 1-11			
Note: INFLAMMATION TGLs = 1-11			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9011

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 89011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Prostate  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Salivary Glands  
Testes

Bone  
Heart  
Intestine Small - Duodenum  
Larynx  
Pancreas  
Seminal Vesicle  
Thyroid Gland

Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Pituitary Gland  
Stomach - Forestomach  
Trachea

MISSING

Mammary Gland

Parathyroid Gland

Thymus

OBSERVATIONS

Adrenal Gland  
Bone Marrow  
Brain  
Kidney  
Liver

Capsule  
  
Renal Tubule

Hyperplasia  
Hyperplasia  
Mineralization  
Degeneration  
Infarct  
Necrosis

Multifocal, Mild  
Neutrophil, Mild  
Multifocal, Mild  
Focal, Minimal  
Moderate  
Focal, Mild

Note: NECROSIS TGLs = 4-11

Note: INFARCT TGLs = 5-11

Skin

Inflammation  
Ulcer

Chronic, Moderate  
Marked

Note: ULCER TGLs = 1-7

Note: INFLAMMATION TGLs = 1-11

Spleen

Hematopoietic Cell Proliferation

Moderate

Note: HEMA CELL PROL TGLs = 3-5

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9012

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 89012

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Liver	Lung	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
	Cortex	Hyperplasia	Focal, Mild
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Note: GROSS FOCUS DOUBTFUL AT TRIM, NOT IN SPECIAL SECTION			
Lymph Node	Mesenteric	Hemorrhage	Moderate
Note: HEMORRHAGE TGLs = 7-7			
Note: MAND.L.N.NOT IN SEC. OR RETRIM; NOT DISCERNIBLE TISSUES			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Spleen		Pigmentation	Hemosiderin, Moderate
Note: PIGMENT TGLs = 2-5			
Tongue			
Note: GROSS FOCUS NOT SEEN AT TRIM OR IN SECTION			

**PRIMARY CAUSE OF DEATH**

-

Animal Note: HEPATIC NODE & TAIL AMPUTATION NOT AVAILABLE IN WET TISSUES

Animal Note: AVAILABLE IN WET TISSUES

Animal Note: HEPATIC NODE & TAIL AMPUTATION NOT

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9013

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 89013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Liver	Nose	Pancreas	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Parathyroid Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hypertrophy	Focal, Moderate
Blood Vessel	Aorta	Inflammation	Chronic Active, Mild
Bone Marrow		Hyperplasia	Neutrophil, Mild
Kidney			
Note: GROSS CYST NOT SEEN AT TRIM OR IN SECTIONS			
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	Interstitialium	Fibrosis	Moderate
Note: ALV BRON CARC TGLs = 3-6			
Lymph Node	Mesenteric	Hemorrhage	Moderate
	Inguinal	Hyperplasia	Lymphoid, Marked
Note: HYPERPLASIA TGLs = 8-11			
Note: HEMORRHAGE TGLs = 7-7			
Preputial Gland		Abscess	Marked
Note: ABSCESS TGLs = 2-11			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 4-5			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 9013

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 12500PPMALE

**DISP:** Terminal Sacrifice

**HISTO:** 89013

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9014

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 89014

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Liver	Lung	Lymph Node - Mesenteric	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea			

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
	Cortex	Hypertrophy	Focal, Minimal
Brain		Mineralization	Multifocal, Minimal
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Moderate
Preputial Gland		Inflammation	Chronic, Moderate
Note: INFLAMMATION	TGLs = 1-11		
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9015

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 89015

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Islets, Pancreatic	Larynx	Liver	Nose
Pancreas	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**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Brain		Mineralization	Multifocal, Mild
Intestine Small	Jejunum, Peyers Patch	Hyperplasia	Lymphoid, Minimal
	Ileum, Peyers Patch	Lymphoma Malignant Lymphocytic	
Note: HYPERPLASIA TGLs = 2-4			
Kidney		Infiltration Cellular	Lymphocyte, Minimal
		Nephropathy	Chronic, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 3-7			
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 4-5			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9016

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 89016

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Nose
Pancreas	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Intestine Small - Duodenum	Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Marked
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-5			
Lung		Alveolar/Bronchiolar Carcinoma	
[ Alveolar/Bronchiolar Carcinoma TGLS = 3-6 ]			
Lymph Node	Mesenteric	Hemorrhage	Mild
Preputial Gland		Abscess	Marked
Note: ABSCESS TGLs = 1-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9017

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 89017

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Kidney	Larynx	Liver
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Moderate
Intestine Small	Jejunum, Peyers Patch	Hyperplasia	Lymphoid, Minimal
Lung	Perivascular	Alveolar/Bronchiolar Adenoma Infiltration Cellular	Lymphocyte, Minimal
Note: ALV BRON ADEN TGLs = 3-6.1+6.2			
Note: 2ND LUNG LESION NOT IN ORIGINAL OR 2 RECUTS			
Skin	Subcut Tiss	Hemangioma	
Note: HEMANGIOMA TGLs = 1-2			
Thymus		Depletion Lymphoid	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9019

TRT#: 3

SEX: Male

DAY ON TEST: 65

DOSE: 12500PPMALE

DISP: Dead

HISTO: 89019

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Lung  
Pituitary Gland  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Nose  
Salivary Glands  
Testes

Bone  
Gallbladder  
Islets, Pancreatic  
Pancreas  
Seminal Vesicle  
Thyroid Gland

Brain  
Heart  
Liver  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

**MISSING**

Mammary Gland

**AUTO PRECLUDES DIAG.**

Intestine Large - Cecum  
Lymph Node - Mesenteric

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

**OBSERVATIONS**

Bone Marrow  
Kidney  
  
Penis  
Note: INFLAMMATION TGLs = 1-15  
Prostate  
Skin  
  
Note: INFLAMMATION TGLs = 1-15  
Spleen  
Thymus  
Urethra

Renal Tubule  
Pelvis  
  
Prepuce

Hyperplasia  
Dilatation  
Inflammation  
Inflammation  
  
Inflammation  
Inflammation  
Inflammation  
  
Hematopoietic Cell Proliferation  
Depletion Lymphoid  
Inflammation

Neutrophil, Mild  
Mild  
Acute, Mild  
Acute, Marked  
  
Acute, Marked  
Acute, Marked  
Chronic, Minimal  
  
Marked  
Mild  
Acute, Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9020

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 89020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Liver	Lung
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea			

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
	Medulla	Pheochromocytoma Benign	
Brain		Mineralization	Multifocal, Minimal
Epididymis	Serosa	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 3-11			
Note: FAT NECROSIS			
Intest Small			
Note: TGL2-PEYER'S PATCH WITHIN NORMAL LIMITS			
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Lymph Node	Mesenteric	Hemorrhage	Minimal
Nose	Mucosa	Degeneration	Hyaline, Minimal
	Respirat Epith	Hyperplasia	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9021

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 12500PPMALE

DISP: Terminal Sacrifice

HISTO: 89021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lung	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Bone Marrow		Hyperplasia	Moderate
Note: CELL TYPE UNKNOWN, POSSIBLY PLASMA OR RETICULUM CELL			
Brain		Mineralization	Multifocal, Minimal
Epididymis			
Note: GROSS LESION NOT SEEN AT TRIM			
Kidney	Renal Tubule	Degeneration	Focal, Mild
		Hyperplasia	Atypical, Focal, Mild
Note: HYPERPLASIA TGLs = 2-8.2			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Nose	Mucosa	Degeneration	Hyaline, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9022

TRT#: 3

SEX: Male

DAY ON TEST: 576

DOSE: 12500PPMALE

DISP: Moribund

HISTO: 89022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Islets, Pancreatic  
Nose  
Salivary Glands  
Testes

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Kidney  
Parathyroid Gland  
Seminal Vesicle  
Thyroid Gland

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Pituitary Gland  
Skin  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Prostate  
Stomach - Glandular  
Urinary Bladder

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Brain  
Intestine Small

Jejunum, Peyers Patch  
Jejunum, Serosa  
Jejunum

Mineralization  
Hyperplasia  
Inflammation  
Ulcer

Multifocal, Mild  
Lymphoid, Marked  
Chronic Active, Marked  
Moderate

Note: INFLAMMATION TGLs = 1-15

Liver  
Pancreas  
Spleen  
Stomach  
Thymus

Forestomach, Serosa

Hematopoietic Cell Proliferation  
Inflammation  
Hematopoietic Cell Proliferation  
Inflammation  
Depletion Lymphoid

Moderate  
Chronic Active, Moderate  
Minimal  
Chronic Active, Mild  
Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8783

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88783

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Pituitary Gland  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Salivary Glands  
Thyroid Gland

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Pancreas  
Spleen  
Tooth

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Parathyroid Gland  
Stomach - Glandular  
Trachea

**OBSERVATIONS**

Adrenal Gland  
Brain  
Lung  
Lymph Node  
Nose  
  
Skin  
    Note: INFLAMMATION   TGLs = 2-11  
Stomach  
Uterus  
    Note: HYPERPLASIA   TGLs = 1-8

Capsule  
  
Perivascular  
Mesenteric  
Mucosa  
Mucosa  
  
Epithelium, Forestomach

Hyperplasia  
Mineralization  
Infiltration Cellular  
Hyperplasia  
Degeneration  
Inflammation  
Inflammation  
  
Hyperplasia  
Hyperplasia

Multifocal, Mild  
Multifocal, Mild  
Lymphocyte, Marked  
Lymphoid, Moderate  
Hyaline, Minimal  
Chronic, Minimal  
Chronic, Mild  
  
Focal, Mild  
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8784

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Gallbladder  
Intestine Small - Jejunum  
Pancreas  
Thyroid Gland

Adrenal Gland - Medulla  
Intestine Large - Colon  
Islets, Pancreatic  
Parathyroid Gland  
Trachea

Bone  
Intestine Small - Duodenum  
Larynx  
Pituitary Gland

Bone Marrow  
Intestine Small - Ileum  
Mammary Gland  
Stomach - Forestomach

MISSING

Thymus

OBSERVATIONS

Adrenal Gland  
Brain  
Esophagus  
Heart  
Note: LYMPH MAL LYMP TGLs = 5-11  
Intestine Large

Capsule  
  
  
  
Cecum  
Rectum

Hyperplasia  
Mineralization  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Infiltration Cellular  
Fatty Change  
Lymphoma Malignant Lymphocytic  
Atelectasis

Multifocal, Mild  
Multifocal, Minimal  
  
  
  
  
  
  
  
Lymphocyte, Minimal  
Diffuse, Mild  
  
Focal, Moderate

Kidney  
Liver

Lung

Mediastinum  
  
Inguinal  
Mandibular  
Mediastinal  
Mesenteric  
Renal

Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic

Note: LYMPH MAL LYMP TGLs = 8-12  
Note: LYMPH MAL LYMP TGLs = 6-11  
Note: INGUINAL NODE RECORDED GROSSLY AS "ILIAC"  
Note: LYMPH MAL LYMP TGLs = 9-12

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8784

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88784

**ORGAN AND ACCOUNTABLE SITE STATUS**

Nose	Mucosa	Degeneration	Hyaline, Minimal
	Lumen	Foreign Body	Minimal
	Respirat Epith	Hyperplasia	Mild
Note: FOREIGN BODY IS HAIR			
Ovary		Lymphoma Malignant Lymphocytic	
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Skin		Inflammation	Chronic, Minimal
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 4-5			
Stomach	Glandular	Lymphoma Malignant Lymphocytic	
Urinary Bladder		Lymphoma Malignant Lymphocytic	
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 7-8			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8787

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Islets, Pancreatic  
Mammary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Larynx  
Nose  
Stomach - Glandular

Bone  
Heart  
Intestine Small - Duodenum  
Liver  
Pituitary Gland  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Salivary Glands  
Thyroid Gland

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland  
Brain  
Intestine Small  
Kidney  
Lung

Capsule  
Jejunum, Peyers Patch

Hyperplasia  
Mineralization  
Lymphoma Malignant Mixed  
Hydronephrosis

Multifocal, Mild  
Multifocal, Mild  
Moderate

Note: LYMPH MAL MIXD TGLs = 11-4  
Note: GROSS FOCUS NOT EVIDENT AT TRIM

Lymph Node  
Axillary  
Iliac  
Mesenteric  
Renal

Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed

Note: UNSITED NODE IS HEPATIC  
Note: LYMPH MAL MIXD TGLs = 4-12  
Note: MANDIBULAR LN IS NORMAL.  
Note: LYMPH MAL MIXD TGLs = 6-11  
Note: LYMPH MAL MIXD TGLs = 9-4  
Note: LYMPH MAL MIXD TGLs = 5-12  
Note: LYMPH MAL MIXD TGLs = 7-11

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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<b>ANIMAL ID:</b> 8787	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> CONTROL FEMALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 88787

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Ovary		Cyst	Mild
Pancreas	Artery	Lymphoma Malignant Mixed Inflammation	Chronic, Mild
Skin		Lymphoma Malignant Mixed Inflammation	Chronic, Mild
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2+3-5			
Urinary Bladder		Lymphoma Malignant Mixed	
Uterus		Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8788

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Larynx	Liver	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea			

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Marked
Brain		Mineralization	Multifocal, Minimal
Intestine Small	Jejunum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 4-4			
Kidney		Infiltration Cellular	Lymphocyte, Mild
Lung	Mediastinum	Lymphoma Malignant Lymphocytic	
		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 5-11			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
	Inguinal	Lymphoma Malignant Lymphocytic	
Mesentery		Lymphoma Malignant Lymphocytic	
Ovary		Cyst	Minimal
		Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Adenoma	
Thymus		Lymphoma Malignant Lymphocytic	
Urinary Bladder		Lymphoma Malignant Lymphocytic	
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8789

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Mammary Gland	Ovary	Parathyroid Gland	Pituitary Gland
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea

MISSING

Esophagus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Kidney	Renal Tubule	Degeneration	Focal, Minimal
		Infiltration Cellular	Lymphocyte, Minimal
Lung		Infiltration Cellular	Lymphocyte, Minimal
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
	Mandibular	Pigmentation	Hemosiderin, Mild
Nose	Lumen	Foreign Body	Minimal
Note: FOREIGN BODY IS HAIR			
Pancreas		Infiltration Cellular	Lymphocyte, Multifocal, Marked
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Skin		Inflammation	Chronic, Minimal
Spleen		Hyperplasia	Lymphoid, Moderate
Thymus		Hyperplasia	Lymphoid, Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild

Note: HYPERPLASIA TGLs = 2-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8790

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88790

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Pituitary Gland  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Kidney  
Nose  
Salivary Glands  
Thymus

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Pancreas  
Skin  
Thyroid Gland

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

**MISSING**

Gallbladder                      Larynx

**OBSERVATIONS**

Adrenal Gland                      Capsule  
Brain  
Liver  
  
Ovary  
    Note: CYST              TGLs = 3-8  
Spleen  
    Note: HYPERPLASIA      TGLs = 2-5  
Uterus  
    Note: HYPERPLASIA      TGLs = 4-8

Hyperplasia  
Mineralization  
Infiltration Cellular  
Necrosis  
Cyst  
  
Hyperplasia  
  
Hyperplasia

Multifocal, Marked  
Multifocal, Mild  
Lymphocyte, Minimal  
Focal, Minimal  
Marked  
  
Lymphoid, Mild  
  
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8791

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88791

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Larynx	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pituitary Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Liver		Infiltration Cellular	Lymphocyte, Minimal
Lung	Artery	Hypertrophy	Multifocal, Moderate
	Peribronchiolr	Infiltration Cellular	Lymphocyte, Moderate
	Perivascular	Infiltration Cellular	Lymphocyte, Moderate
Nose	Mucosa	Degeneration	Hyaline, Mild
Pancreas		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Skin		Inflammation	Chronic, Mild
Thymus		Hyperplasia	Lymphoid, Mild
Uterus		Hyperplasia	Cystic, Mild

Note: HYPERPLASIA TGLs = 3-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8792

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88792

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Larynx	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Mild
Islets, Pancreatic		Hyperplasia	Multifocal, Minimal
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Liver	Periportal	Fatty Change	Diffuse, Mild
		Infiltration Cellular	Lymphocyte, Minimal
Lung	Artery	Hypertrophy	Multifocal, Mild
	Peribronchiolr	Infiltration Cellular	Lymphocyte, Mild
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Nose	Mucosa	Degeneration	Hyaline, Minimal
	Lumen	Foreign Body	Minimal
Note: FOREIGN BODY IS HAIR			
Ovary		Cyst	Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild

Note: HYPERPLASIA TGLs = 2-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8793

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88793

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hypertrophy	Focal, Mild
Brain		Mineralization	Multifocal, Minimal
Kidney	Glomerulus	Amyloid Deposition	Minimal
Liver		Infiltration Cellular	Lymphocyte, Mild
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Marked
	Mesenteric	Hyperplasia	Lymphoid, Mild
Nose	Lumen	Foreign Body	Minimal
Note: FOREIGN BODY IS HAIR			
Ovary		Cyst	Marked
		Infiltration Cellular	Lymphocyte, Mild
Note: CYST TGLs = 1-8			
Pancreas		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Thymus		Hyperplasia	Lymphoid, Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8795

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88795

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Liver	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Mild
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 6.1			
Ovary		Cyst	Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8796

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88796

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Liver	Lung
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Bone		Fibrous Osteodystrophy	Moderate
Brain		Mineralization	Multifocal, Minimal
Kidney	Renal Tubule	Degeneration	Focal, Mild
Note: 2ND GROSS FOCUS NOT SEEN AT TRIM OR IN SECTIONS			
Note: DEGEN TGLs = 7-8			
Liver			
Note: GROSS FOCI NOT SEEN AT TRIM OR IN SECTIONS			
Lymph Node	Mediastinal	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 8-3			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Dilatation	Mild
		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 1-8			
Note: DILATATION TGLs = 1-8			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8797

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Islets, Pancreatic  
Nose  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Kidney  
Pancreas  
Stomach - Glandular

Bone  
Gallbladder  
Intestine Large - Rectum  
Larynx  
Parathyroid Gland  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Ileum  
Mammary Gland  
Pituitary Gland  
Trachea

OBSERVATIONS

Adrenal Gland

Capsule  
Capsule

Ectopic Tissue  
Hyperplasia

Mild  
Multifocal, Mild

Note: ECTOPIC TISSUE IS MEDULLA

Intestine Small

Jejunum, Peyers Patch  
Duodenum, Peyers Patch

Hyperplasia  
Lymphoma Malignant Mixed

Lymphoid, Minimal

Note: LYMPH MAL MIXD TGLs = 5-11

Note: HYPERPLASIA TGLs = 6-4

Liver

Lymphoma Malignant Mixed

Note: RETRIM

Note: GROSS FOCUS NOT SEEN AT TRIM, IN ORIGINAL SLIDE OR

Lung

Artery  
Perivascular

Alveolar/Bronchiolar Adenoma  
Hypertrophy  
Infiltration Cellular

Multifocal, Minimal  
Lymphocyte, Minimal

Note: WAS NOT SEEN AT TRIM

Note: ADENOMA DOES NOT CORRESPOND TO GROSS FOCUS WHICH

Lymph Node

Mesenteric

Lymphoma Malignant Mixed  
Cyst

Marked

Note: CYST TGLs = 4-8

Salivary Glands

Infiltration Cellular

Lymphocyte, Multifocal, Moderate

Skin

Inflammation

Chronic, Minimal

Spleen

Hematopoietic Cell Proliferation  
Lymphoma Malignant Mixed

Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8797

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** CONTROL FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88797

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LYMPH MAL MIXD TGLs = 2-5

Thymus

Lymphoma Malignant Mixed

Note: GROSSLY ENLARGED 'MEDIASTINAL NODE' NOT SEEN

Uterus

Hyperplasia

Cystic, Moderate

Note: HYPERPLASIA TGLs = 3-8

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PRIMARY CAUSE OF DEATH

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Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8798

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88798

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lung	Lymph Node - Mesenteric	Mammary Gland
Ovary	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea			

**MISSING**

Esophagus	Intestine Large - Rectum
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Bone Marrow		Lymphoma Malignant Lymphocytic	
Kidney	Renal Tubule	Degeneration	Focal, Mild
		Infiltration Cellular	Lymphocyte, Mild
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-5			
Nose	Mucosa	Degeneration	Hyaline, Moderate
Pancreas		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-5			
Thymus		Lymphoma Malignant Lymphocytic	
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Angiectasis	Mild
		Hyperplasia	Cystic, Minimal
Note: HYPERPLASIA TGLs = 4-8			
Note: ANGIECTASIS TGLs = 5-8			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8799

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88799

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

**MISSING**

Larynx

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Gallbladder		Infiltration Cellular	Lymphocyte, Mild
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Moderate
Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Infiltration Cellular	Lymphocyte, Minimal
		Necrosis	Focal, Minimal
Lung	Peribronchial	Infiltration Cellular	Lymphocyte, Mild
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Pancreas		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Minimal

Note: HYPERPLASIA TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8800

TRT#: 4

SEX: Female

DAY ON TEST: 614

DOSE: CONTROL FEMALE

DISP: Dead

HISTO: 88800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone

Bone Marrow

Esophagus

Heart

Intestine Large - Colon

Islets, Pancreatic

Lymph Node - Mesenteric

Pituitary Gland

Thyroid Gland

MISSING

Intestine Large - Rectum

Parathyroid Gland

AUTO PRECLUDES DIAG.

Gallbladder

Intestine Large - Cecum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland

Capsule

Hyperplasia

Multifocal, Mild

Cortex

Lymphoma Malignant Mixed

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.

Brain

Mineralization

Multifocal, Mild

Kidney

Lymphoma Malignant Mixed

Liver

Centrilobular

Fatty Change

Diffuse, Mild

Lymphoma Malignant Mixed

Lung

Lymphoma Malignant Mixed

Lymph Node

Mediastinal

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 5-15.1

Mammary Gland

Lymphoma Malignant Mixed

Nose

Mucosa

Degeneration

Hyaline, Mild

Ovary

Lymphoma Malignant Mixed

Pancreas

Lymphoma Malignant Mixed

Salivary Glands

Lymphoma Malignant Mixed

Skin

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 6-15.2

Spleen

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 1-12

Stomach

Forestomach

Lymphoma Malignant Mixed

Glandular

Lymphoma Malignant Mixed

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8800

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 614

**DOSE:** CONTROL FEMALE

**DISP:** Dead

**HISTO:** 88800

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thymus

Lymphoma Malignant Mixed

Trachea

Lymphoma Malignant Mixed

Urinary Bladder

Lymphoma Malignant Mixed

Uterus

Hyperplasia

Cystic, Mild

Note: HYPERPLASIA TGLs = 3-5

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8801

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

OBSERVATIONS

Adrenal Gland	Capsule	Ectopic Tissue	Mild
	Capsule	Hyperplasia	Multifocal, Moderate
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Minimal
Kidney		Infiltration Cellular	Lymphocyte, Mild
		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Lung	Peribronchiolr	Infiltration Cellular	Lymphocyte, Mild
Pancreas		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Skin		Inflammation	Chronic, Minimal
Note: INFLAMMATION	TGLs = 2-11		
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 1-8		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8804

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88804

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Pituitary Gland  
Stomach - Glandular

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Ovary  
Skin  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Pancreas  
Spleen  
Thyroid Gland

**MISSING**

Larynx

**OBSERVATIONS**

Adrenal Gland  
Brain  
Lung  
Nose  
Salivary Glands  
Urinary Bladder  
Uterus

Capsule  
Perivascular  
Mucosa

Hyperplasia  
Mineralization  
Infiltration Cellular  
Degeneration  
Infiltration Cellular  
Infiltration Cellular  
Hyperplasia

Multifocal, Mild  
Multifocal, Mild  
Lymphocyte, Minimal  
Hyaline, Minimal  
Lymphocyte, Multifocal, Minimal  
Lymphocyte, Minimal  
Cystic, Marked

Note: HYPERPLASIA TGLs = 2-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8805

TRT#: 4

SEX: Female

DAY ON TEST: 587

DOSE: CONTROL FEMALE

DISP: Dead

HISTO: 88805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Glandular	Thyroid Gland	Trachea
Uterus			

MISSING

Adrenal Gland - Medulla	Stomach - Forestomach
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Small - Ileum	Lymph Node - Mesenteric
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OBSERVATIONS

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Moderate
	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hyperplasia	Focal, Moderate
Heart	Myocardium	Degeneration	Mild
	Arteriole	Thrombosis	Multifocal, Moderate
	Ventricle	Thrombosis	Moderate
Liver		Lymphoma Malignant Histiocytic	
		Necrosis	Focal, Marked
Note: LYMPH MAL HIST	TGLs = 3-11		
Lung		Hemorrhage	Focal, Minimal
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC	TGLs = 1-15.1		
Spleen		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 2-12		
Thymus		Depletion Lymphoid	Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8806

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88806

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Pituitary Gland  
Thymus

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Liver  
Spleen  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Stomach - Forestomach  
Trachea

Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Ovary  
Stomach - Glandular  
Urinary Bladder

**MISSING**

Larynx

Mammary Gland

Parathyroid Gland

**OBSERVATIONS**

Adrenal Gland  
Bone  
Brain  
Kidney  
Lung  
Note: ALV BRON ADEN TGLs = 7-6  
Nose  
Pancreas  
Salivary Glands  
Skin  
Uterus  
Note: DILATATION TGLs = 4-8  
Note: HYPERPLASIA TGLs = 5-8

Capsule  
  
  
  
  
  
Mucosa

Hyperplasia  
Fibrous Osteodystrophy  
Mineralization  
Inflammation  
Alveolar/Bronchiolar Adenoma  
  
Degeneration  
Infiltration Cellular  
Infiltration Cellular  
Inflammation  
Dilatation  
Hyperplasia

Multifocal, Moderate  
Minimal  
Multifocal, Minimal  
Chronic, Multifocal, Mild  
Multiple  
  
Hyaline, Mild  
Lymphocyte, Multifocal, Minimal  
Lymphocyte, Multifocal, Moderate  
Chronic, Minimal  
Moderate  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8808

TRT#: 4

SEX: Female

DAY ON TEST: 410

DOSE: CONTROL FEMALE

DISP: Dead

HISTO: 88808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Uterus		

MISSING

Gallbladder

AUTO PRECLUDES DIAG.

Intestine Small - Duodenum	Intestine Small - Ileum
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Oligodendroglioma Benign	
Note: OLIGODENDR BGN TGLs = 1-10			
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Lung	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Nose	Mucosa	Degeneration	Hyaline, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8809

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Skin	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Infiltration Cellular	Lymphocyte, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Focal, Moderate
	Artery	Hypertrophy	Multifocal, Moderate
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Note: ALV BRON ADEN	TGLs = 7-6.1		
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Marked
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS	TGLs = 6-11		
Nose	Mucosa	Degeneration	Hyaline, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA	TGLs = 2-3		
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Stomach	Forestomach	Squamous Cell Papilloma	
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Minimal
	Endometrium	Polyp Stromal	
Note: HYPERPLASIA	TGLs = 5-8		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 17:43:00

**First Dose M/F:** NA / NA

**Lab:** IRDC

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**ANIMAL ID:** 8809

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** CONTROL FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88809

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8810

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Liver	Lung	Lymph Node - Mesenteric	Ovary
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Mild
Mammary Gland		Hyperplasia	Moderate
Nose	Mucosa	Degeneration	Hyaline, Mild
Pancreas		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Parathyroid Gland		Infiltration Cellular	Lymphocyte, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-3			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Skin	Subcut Tiss	Hemangiosarcoma	
		Inflammation	Chronic, Minimal
Note: HEMANGIOSARC TGLs = 3-11			
Spleen		Hemangiosarcoma	Metastatic (Skin)
Note: HEMANGIOSARC TGLs = 4-5			
Uterus		Infiltration Cellular	Lymphocyte, Mild
Note: INFILTRAT CELL TGLs = 5-8			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8812

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
	Cortex	Hyperplasia	Focal, Minimal
Intest Small			
Note: GROSS NODULES IN JEJUNUM NOT IN ORIGINAL			
Note: OR RECUT SLIDES OR IN WET TISSUES.			
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Lung	Artery	Hypertrophy	Multifocal, Marked
	Perivascular	Infiltration Cellular	Lymphocyte, Moderate
	Pleura	Infiltration Cellular	Lymphocyte, Mild
Nose	Mucosa	Degeneration	Hyaline, Mild
	Respirat Epith	Hyperplasia	Mild
Skin		Inflammation	Chronic, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8813

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88813

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Bone		Fibrous Osteodystrophy	Mild
Brain		Mineralization	Multifocal, Minimal
Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver	Periportal	Fatty Change	Diffuse, Minimal
		Hepatocellular Carcinoma	
Note: FATTY CHANGE	TGLs = 4-5		
Note: HEPATOCLR CARC	TGLs = 3-5		
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 6-6		
Lymph Node		Hyperplasia	Lymphoid, Mild
Note: UNSITED NODE IS HEPATIC LYMPH NODE.			
Nose	Mucosa	Degeneration	Hyaline, Mild
	Mucosa	Inflammation	Chronic Active, Minimal
Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA	TGLs = 2-5		
Uterus		Hyperplasia	Cystic, Minimal
Note: HYPERPLASIA	TGLs = 5-8		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8814

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88814

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone Marrow	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Liver	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
	Cortex	Hyperplasia	Focal, Mild
Bone		Fibrous Osteodystrophy	Mild
Brain		Mineralization	Multifocal, Minimal
Kidney		Infiltration Cellular	Lymphocyte, Mild
Lung	Artery	Thrombosis	Minimal
Lymph Node	Iliac	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 6-12			
Ovary		Cyst	Moderate
Note: CYST TGLs = 3-8			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 2-8			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8815

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88815

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Ovary	Pancreas
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea		

**MISSING**

Larynx	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Cortex	Atrophy	Mild
	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Minimal
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Liver		Infiltration Cellular	Lymphocyte, Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
Lymph Node	Inguinal	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 2-2		
Note: LYMPH MAL LYMP	TGLs = 7-11		
	[ Lymphoma Malignant Lymphocytic TGLS = 8-12 ]		
	[ Lymphoma Malignant Lymphocytic TGLS = 9-12 ]		
Nose	Mucosa	Degeneration	Hyaline, Mild
	Respirat Epith	Hyperplasia	Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 3+4-5		
Thymus		Lymphoma Malignant Lymphocytic	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8815

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** CONTROL FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88815

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LYMPH MAL LYMP TGLs = 6-3+3.1

Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

Uterus

Hyperplasia

Cystic, Mild

Note: HYPERPLASIA TGLs = 5-8

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8816

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88816

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Ovary  
Spleen  
Thyroid Gland

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lung  
Pancreas  
Stomach - Forestomach  
Trachea

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Glandular

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Larynx  
Mammary Gland  
Pituitary Gland  
Thymus

**OBSERVATIONS**

Adrenal Gland  
Brain  
Nose  
Salivary Glands  
Skin  
Urinary Bladder  
Uterus

Capsule  
  
Mucosa

Hyperplasia  
Mineralization  
Degeneration  
Infiltration Cellular  
Inflammation  
Infiltration Cellular  
Hyperplasia

Multifocal, Mild  
Multifocal, Minimal  
Hyaline, Minimal  
Lymphocyte, Multifocal, Mild  
Chronic, Minimal  
Lymphocyte, Minimal  
Cystic, Moderate

Note: HYPERPLASIA TGLs = 3-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8817

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Larynx	Liver	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Mild
	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Intestine Small	Jejunum, Peyers Patch	Hyperplasia	Lymphoid, Minimal
Note: HYPERPLASIA TGLs = 3-4			
Kidney		Infiltration Cellular	Lymphocyte, Marked
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 5-6			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-3			
Skin		Inflammation	Chronic, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 4-8			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8818

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Mammary Gland
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule Cortex	Hyperplasia Lymphoma Malignant Mixed	Multifocal, Moderate
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Kidney		Cyst Lymphoma Malignant Mixed	Marked
Note: CYST TGLs = 9-8			
Liver	Bile Duct	Hyperplasia Infiltration Cellular Lymphoma Malignant Mixed	Multifocal, Moderate Lymphocyte, Mild
Note: HYPERPLASIA INCLUDES INTRA & EXTRA HEPATIC DUCTS			
Note: LYMPH MAL MIXD TGLs = 7-5			
Lung		Alveolar/Bronchiolar Carcinoma Lymphoma Malignant Mixed	
Note: ALV BRON CARC TGLs = 13-6			
Lymph Node	Mesenteric Inguinal	Amyloid Deposition Lymphoma Malignant Mixed	Marked
Note: LYMPH MAL MIXD TGLs = 2-12			
Note: AMYLOID DEP TGLs = 6-7			
Mesentery		Amyloid Deposition Lymphoma Malignant Mixed	Moderate
Note: LYMPH MAL MIXD TGLs = 8-11			
Nose	Mucosa Respirat Epith	Degeneration Hyperplasia	Hyaline, Mild Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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<b>ANIMAL ID:</b> 8818	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> CONTROL FEMALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 88818

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Ovary		Lymphoma Malignant Mixed	
Pancreas		Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-3		
Thymus		Amyloid Deposition	Marked
Note: AMYLOID DEP	TGLs = 12-3		
Trachea		Lymphoma Malignant Mixed	
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 14-8		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8819

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88819

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Spleen  
Urinary Bladder

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Stomach - Glandular

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Parathyroid Gland  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Pituitary Gland  
Trachea

**MISSING**

Larynx

**OBSERVATIONS**

Adrenal Gland  
Brain  
Liver  
    Note: HEPATOCLR ADEN TGLs = 2-5  
Lung  
    Note: ALV BRON ADEN TGLs = 3-6  
Lymph Node  
    Note: MANDIBULAR LN IS NORMAL.  
Nose  
Ovary  
Salivary Glands  
Skin  
Stomach  
Thymus  
Uterus  
    Note: DILATATION TGLs = 4-8

Capsule  
  
  
  
  
  
Mucosa  
Respirat Epith  
  
  
Epithelium, Forestomach

Hyperplasia  
Mineralization  
Hepatocellular Adenoma  
  
Alveolar/Bronchiolar Adenoma  
Lymphoma Malignant Lymphocytic  
  
  
Degeneration  
Hyperplasia  
Cyst  
Infiltration Cellular  
Inflammation  
Hyperplasia  
Lymphoma Malignant Lymphocytic  
Dilatation  
Hyperplasia

Multifocal, Mild  
Multifocal, Moderate  
  
Multiple  
  
  
Hyaline, Moderate  
Mild  
Minimal  
Lymphocyte, Multifocal, Minimal  
Chronic, Mild  
Focal, Minimal  
  
Mild  
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 17:43:00

**First Dose M/F:** NA / NA

**Lab:** IRDC

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**ANIMAL ID:** 8819

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** CONTROL FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88819

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8820

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Thymus

Bone  
Heart  
Intestine Small - Duodenum  
Larynx  
Spleen  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Stomach - Forestomach  
Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland  
Brain  
Kidney  
Lung

Capsule

Hyperplasia  
Mineralization  
Infiltration Cellular  
Alveolar/Bronchiolar Adenoma  
Infiltration Cellular

Multifocal, Mild  
Multifocal, Minimal  
Lymphocyte, Minimal  
Lymphocyte, Mild

Note: ALV BRON ADEN TGLs = 6-6

Lymph Node  
Mammary Gland  
Nose

Inguinal

Hyperplasia  
Hyperplasia  
Degeneration  
Hyperplasia  
Inflammation

Lymphoid, Mild  
Minimal  
Hyaline, Minimal  
Mild  
Chronic, Mild

Ovary

Cyst  
Infiltration Cellular

Mild  
Lymphocyte, Mild

Pituitary Gland  
Salivary Glands  
Skin

Pars Distalis

Angiectasis  
Infiltration Cellular  
Hyperplasia  
Inflammation

Mild  
Lymphocyte, Multifocal, Moderate  
Mild  
Chronic, Mild

Note: HYPERPLASIA TGLs = 2-11

Note: INFLAMMATION TGLs = 2-11

Uterus

Dilatation

Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 17:43:00

**First Dose M/F:** NA / NA

**Lab:** IRDC

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**ANIMAL ID:** 8820

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** CONTROL FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88820

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: DILATATION      TGLs = 4-8

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PRIMARY CAUSE OF DEATH      -

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Animal Note: ENLARGED MEDIASTINAL NODE NOT EVIDENT AT TRIM-

Animal Note: POSSIBLY WITH THYMUS BUT NOT SEEN MICROSCOPICALLY

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8822

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88822

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Pituitary Gland  
Thymus

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Salivary Glands  
Thyroid Gland

Bone  
Heart  
Intestine Small - Duodenum  
Larynx  
Pancreas  
Stomach - Forestomach  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Glandular

**OBSERVATIONS**

Adrenal Gland  
Brain  
Kidney  
Liver  
Lung  
  
Nose  
Skin  
Spleen  
    Note: LYMPH MAL UNDF   TGLs = 3-5  
Urinary Bladder  
Uterus  
    Note: HYPERPLASIA   TGLs = 4-8

Capsule  
  
Perivascular  
  
Mucosa

Hyperplasia  
Mineralization  
Lymphoma Malignant Undifferentiated Cell Type  
Mitotic Alteration  
Infiltration Cellular  
Lymphoma Malignant Undifferentiated Cell Type  
Degeneration  
Inflammation  
Lymphoma Malignant Undifferentiated Cell Type  
  
Lymphoma Malignant Undifferentiated Cell Type  
Hyperplasia

Multifocal, Mild  
Multifocal, Mild  
  
Minimal  
Lymphocyte, Mild  
  
Hyaline, Minimal  
Chronic, Minimal  
  
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8823

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88823

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Nose  
Skin  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Larynx  
Pancreas  
Spleen  
Thyroid Gland

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Adrenal Gland  
Brain  
Liver  
    Note: FATTY CHANGE   TGLs = 2-5  
Lymph Node  
Ovary  
Uterus  
    Note: HYPERPLASIA   TGLs = 4-8

Capsule  
  
  
  
Mesenteric

Hyperplasia  
Mineralization  
Fatty Change  
  
Hyperplasia  
Infiltration Cellular  
Hyperplasia

Multifocal, Mild  
Multifocal, Minimal  
Focal, Mild  
  
Lymphoid, Mild  
Lymphocyte, Mild  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8824

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88824

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	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	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

**MISSING**

Larynx	Mammary Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Marked
Brain		Mineralization	Multifocal, Minimal
Kidney	Glomerulus	Amyloid Deposition	Moderate
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3-5			
Lung	Artery	Hypertrophy	Multifocal, Moderate
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Nose	Mucosa	Degeneration	Hyaline, Mild
	Respirat Epith	Hyperplasia	Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Thymus		Hyperplasia	Lymphoid, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 4-8			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8826

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Kidney	Larynx	Liver	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Parathyroid Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Bone Marrow		Atrophy	Focal, Mild
Brain		Mineralization	Multifocal, Minimal
Intestine Small	Jejunum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 6-4			
Liver			
Note: NOT FOUND IN WET TISSUE			
Note: GROSS NODULE NOT IN ORIGINAL OR RECUT SLIDE			
Lung	Artery	Hypertrophy	Multifocal, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Note: INFILTRAT CELL TGLs = 5-6			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 7-8			
Pancreas		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Inflammation	Chronic, Minimal
Spleen		Hyperplasia	Lymphoid, Minimal
Uterus		Hyperplasia	Cystic, Minimal
Note: HYPERPLASIA TGLs = 2-8			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 17:43:00

**First Dose M/F:** NA / NA

**Lab:** IRDC

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**ANIMAL ID:** 8826

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** CONTROL FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88826

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8827

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Gallbladder	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Larynx
Mammary Gland	Parathyroid Gland	Pituitary Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Esophagus	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Intestine Small	Jejunum, Peyers Patch	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 5-11			
Islets, Pancreatic		Hyperplasia	Multifocal, Minimal
Kidney		Lymphoma Malignant Lymphocytic	
Liver		Granuloma	Mild
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	
		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 6-5			
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 10-3			
Note: SEVERAL LYMPH NODES NOT IDENTIFIED, THUS NO SECTION TAKEN.			
Note: LYMPH MAL LYMP TGLs = 4-12			
Note: LYMPH MAL LYMP TGLs = 3-2			
Nose	Mucosa	Degeneration	Hyaline, Minimal
Ovary		Cyst	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8827

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** CONTROL FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88827

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: CYST TGLs = 8-8

Pancreas  
Salivary Glands  
Spleen

Lymphoma Malignant Lymphocytic

Infiltration Cellular

Infiltration Cellular

Hematopoietic Cell Proliferation

Lymphoma Malignant Lymphocytic

Lymphocyte, Multifocal, Moderate

Lymphocyte, Multifocal, Mild

Mild

Note: HEMA CELL PROL TGLs = 2-5

Note: LYMPH MAL LYMP TGLs = 2-5

Uterus

Angiectasis

Hyperplasia

Mild

Cystic, Mild

Note: HYPERPLASIA TGLs = 7-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8828

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88828

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Ovary  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Pituitary Gland  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Larynx  
Nose  
Spleen  
Thyroid Gland

**OBSERVATIONS**

Adrenal Gland  
Brain  
Liver  
Pancreas  
Salivary Glands  
Skin  
Uterus

Capsule

Hyperplasia  
Mineralization  
Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular  
Inflammation  
Dilatation  
Hyperplasia

Multifocal, Mild  
Multifocal, Minimal  
Lymphocyte, Minimal  
Lymphocyte, Multifocal, Minimal  
Lymphocyte, Multifocal, Minimal  
Chronic, Minimal  
Marked  
Cystic, Minimal

Note: HYPERPLASIA TGLs = 4-8

Note: DILATATION TGLs = 3-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8829

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88829

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Gallbladder	Heart	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Larynx	Liver	Lung
Mammary Gland	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Bone Marrow		Atrophy	Focal, Minimal
Brain		Mineralization	Multifocal, Minimal
Intestine Large	Cecum, Peyers Patch	Lymphoma Malignant Lymphocytic	
Larynx			
Note: THYROID LESIONS IN LARYNX SECTION			
Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 3-7			
Nose	Mucosa	Degeneration	Hyaline, Mild
Ovary		Cyst	Mild
Note: CYST TGLs = 4-8			
Pancreas		Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Skin		Inflammation	Chronic, Minimal
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-5			
Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 5-8			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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<b>ANIMAL ID:</b> 8829	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> CONTROL FEMALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 88829

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH	-
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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8830

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88830

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Lung	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Lymph Node - Mesenteric

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Mild
Liver		Infiltration Cellular	Lymphocyte, Minimal
Nose	Mucosa	Degeneration	Hyaline, Minimal
	Respirat Epith	Hyperplasia	Minimal
Uterus		Dilatation	Moderate
		Hyperplasia	Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-8

Note: DILATATION TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8831

TRT#: 4

SEX: Female

DAY ON TEST: 710

DOSE: CONTROL FEMALE

DISP: Moribund

HISTO: 88831

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone Marrow	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Nose	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Mild
	Capsule	Hyperplasia	Multifocal, Mild
Bone		Fibrous Osteodystrophy	Minimal
Brain		Mineralization	Multifocal, Minimal
Kidney		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 6-12		
Liver		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 4-11		
Lung		Lymphoma Malignant Histiocytic	
Lymph Node	Iliac	Lymphoma Malignant Histiocytic	
	Mesenteric	Lymphoma Malignant Histiocytic	
Mesentery		Lymphoma Malignant Histiocytic	
Ovary		Lymphoma Malignant Histiocytic	
Pancreas		Lymphoma Malignant Histiocytic	
Skin	Subcut Tiss	Inflammation	Acute, Mild
Note: INFLAMMATION	TGLs = 1-7		
Spleen		Hematopoietic Cell Proliferation	Marked
Stomach	Glandular	Lymphoma Malignant Histiocytic	
Thymus		Depletion Lymphoid	Marked
Tissue NOS		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 3-15.2		
Uterus		Lymphoma Malignant Histiocytic	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 17:43:00

**First Dose M/F:** NA / NA

**Lab:** IRDC

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**ANIMAL ID:** 8831

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 710

**DOSE:** CONTROL FEMALE

**DISP:** Moribund

**HISTO:** 88831

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LYMPH MAL HIST TGLs = 5-15.1+5

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8832

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88832

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Bone	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Larynx	Liver	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

**MISSING**

Intestine Large - Rectum

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Medulla	Hyperplasia	Focal, Minimal
Brain		Mineralization	Multifocal, Mild
Lung	Artery	Hypertrophy	Multifocal, Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Perivascular	Infiltration Cellular	Lymphocyte, Moderate
Ovary		Cyst	Mild
Note: CYST	TGLs = 3-8		
Pituitary Gland	Pars Distalis	Angiectasis	Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Dilatation	Mild
		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 2-8		
Note: DILATATION	TGLs = 2-8		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8833

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Islets, Pancreatic  
Lung  
Spleen

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Kidney  
Lymph Node - Mesenteric  
Stomach - Forestomach

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Larynx  
Mammary Gland  
Thymus

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Parathyroid Gland  
Trachea

OBSERVATIONS

Adrenal Gland  
Bone  
Intestine Small  
    Note: HYPERPLASIA   TGLs = 2-2  
Lymph Node  
    Note: HYPERPLASIA   TGLs = 4-11  
Nose  
Ovary  
Pancreas  
Pituitary Gland  
Salivary Glands  
Skin  
    Note: INFLAMMATION   TGLs = 1-11  
Stomach  
Thyroid Gland  
Urinary Bladder  
Uterus  
    Note: HYPERPLASIA   TGLs = 3-8

Capsule  
Jejunum, Peyers Patch  
Mediastinal  
Mucosa  
Pars Distalis  
Glandular

Hyperplasia  
Fibrous Osteodystrophy  
Hyperplasia  
Hyperplasia  
Degeneration  
Cyst  
Infiltration Cellular  
Angiectasis  
Infiltration Cellular  
Inflammation  
Mineralization  
Infiltration Cellular  
Infiltration Cellular  
Hyperplasia

Multifocal, Mild  
Mild  
Lymphoid, Minimal  
Lymphoid, Moderate  
Hyaline, Minimal  
Mild  
Lymphocyte, Multifocal, Minimal  
Mild  
Lymphocyte, Multifocal, Minimal  
Chronic, Minimal  
Focal, Minimal  
Lymphocyte, Minimal  
Lymphocyte, Minimal  
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8834

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Larynx	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Capsule	Ectopic Tissue	Minimal
	Capsule	Hyperplasia	Multifocal, Moderate
Liver		Basophilic Focus	Multiple
Note: BASOPH FOCUS	TGLs = 2-5		
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	Artery	Hypertrophy	Multifocal, Moderate
	Peribronchiolr	Infiltration Cellular	Lymphocyte, Moderate
	Perivascular	Infiltration Cellular	Lymphocyte, Moderate
Note: ALV BRON CARC	TGLs = 1-6		
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA	TGLs = 3-8		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8835

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88835

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Kidney	Renal Tubule	Degeneration	Focal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
	Artery	Hypertrophy	Multifocal, Moderate
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Note: ALV BRON ADEN TGLs = 3-6			
Nose	Mucosa	Degeneration	Hyaline, Minimal
	Respirat Epith	Hyperplasia	Minimal
Skin		Inflammation	Chronic, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 2-8			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8837

TRT#: 4

SEX: Female

DAY ON TEST: 714

DOSE: CONTROL FEMALE

DISP: Dead

HISTO: 88837

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Bone Marrow		Lymphoma Malignant Mixed	
Heart			
Note: HEART FRAGMENTED-IN SLIDE 3 & 11			
Liver		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3+4-5			
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Mediastinum	Lymphoma Malignant Mixed	
Note: [ ALV BRON ADEN ] TGLs = 6			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
		Lymphoma Malignant Mixed	
Note: NODE-UNSITED NODE IS HEPATIC			
[ Lymphoma Malignant Mixed TGLS = 5-11 ]			
[ Lymphoma Malignant Mixed TGLS = 7-11 ]			
[ Lymphoma Malignant Mixed TGLS = 6-7 ]			
Nose	Mucosa	Degeneration	Hyaline, Minimal
	Respirat Epith	Hyperplasia	Minimal
Skin		Inflammation	Chronic, Marked
		Ulcer	Marked

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8837

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 714

**DOSE:** CONTROL FEMALE

**DISP:** Dead

**HISTO:** 88837

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ULCER TGLs = 1-11

Note: INFLAMMATION TGLs = 1-11

Spleen

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 2-5

Thymus

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 8-3

Uterus

Hyperplasia

Cystic, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8838

TRT#: 4

SEX: Female

DAY ON TEST: 695

DOSE: CONTROL FEMALE

DISP: Dead

HISTO: 88838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Intestine Large - Cecum  
Islets, Pancreatic  
Salivary Glands

Bone  
Intestine Large - Colon  
Mammary Gland  
Skin

Esophagus  
Intestine Large - Rectum  
Parathyroid Gland  
Thyroid Gland

Heart  
Intestine Small - Jejunum  
Pituitary Gland

MISSING

Urinary Bladder

AUTO PRECLUDES DIAG.

Intestine Small - Duodenum

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland

Capsule  
Cortex

Hyperplasia  
Lymphoma Malignant Undifferentiated Cell Type

Multifocal, Moderate

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.

Bone Marrow

Lymphoma Malignant Undifferentiated Cell Type

Brain

Mineralization

Multifocal, Minimal

Gallbladder

Lymphoma Malignant Undifferentiated Cell Type

Kidney

Lymphoma Malignant Undifferentiated Cell Type

Liver

Lymphoma Malignant Undifferentiated Cell Type

Lung

Lymphoma Malignant Undifferentiated Cell Type

Lymph Node

Iliac  
Mediastinal  
Mesenteric

Lymphoma Malignant Undifferentiated Cell Type

Lymphoma Malignant Undifferentiated Cell Type

Lymphoma Malignant Undifferentiated Cell Type

Lymphoma Malignant Undifferentiated Cell Type

Note: LYMPH NODE NOS-IS HEPATIC LYMPH NODE

[ Lymphoma Malignant Undifferentiated Cell Type TGLS = 4-15.1 ]

[ Lymphoma Malignant Undifferentiated Cell Type TGLS = 6-15.2 ]

[ Lymphoma Malignant Undifferentiated Cell Type TGLS = 5-15.3 ]

Nose

Nasolacrimal Duct

Inflammation

Chronic Active, Mild

Ovary

Lymphoma Malignant Undifferentiated Cell Type

Pancreas

Lymphoma Malignant Undifferentiated Cell Type

Spleen

Lymphoma Malignant Undifferentiated Cell Type

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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<b>ANIMAL ID:</b> 8838	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 695
	<b>DOSE:</b> CONTROL FEMALE	<b>DISP:</b> Dead	<b>HISTO:</b> 88838

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LYMPH MAL UNDF TGLs = 3-12

Stomach	Forestomach	Lymphoma Malignant Undifferentiated Cell Type	
	Glandular	Lymphoma Malignant Undifferentiated Cell Type	
Thymus		Depletion Lymphoid	Moderate
Trachea		Lymphoma Malignant Undifferentiated Cell Type	
Uterus		Hyperplasia	Cystic, Mild

Note: HYPERPLASIA TGLs = 7-5

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8839

TRT#: 4

SEX: Female

DAY ON TEST: 602

DOSE: CONTROL FEMALE

DISP: Moribund

HISTO: 88839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Blood Vessel	Artery	Inflammation	Chronic Active, Mild
Note: ARTERY IS IN 15.3			
Kidney	Renal Tubule	Carcinoma	
	Renal Tubule	Carcinoma	Metastatic (Kidney)
Note: CARCINOMA TGLs = 2-15.1			
Note: CARCINOMA TGLs = 3-15.2			
Note: CAPSULE HAS ANAPLASTIC VS. NEOPLASTIC SPINDLE CELLS			
Ovary		Cyst	Marked
Note: CYST TGLs = 4-5			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8840

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88840

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lung	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Adrenal Gland	Capsule	Ectopic Tissue	Mild
	Capsule	Hyperplasia	Multifocal, Mild
Note: ECTOPIC TISSUE IS MEDULLA			
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Minimal
Kidney	Glomerulus	Amyloid Deposition	Mild
Ovary		Cyst	Mild
Note: CYST TGLs = 3-8			
Pituitary Gland	Pars Distalis	Adenoma	
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8841

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88841

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Larynx	Lung	Ovary
Pancreas	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea		

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Minimal
Islets, Pancreatic		Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 7+8-5			
Lung			
Note: CORRESPONDS TO DIAPHRAGMATIC NODULE. APICAL			
Note: RED FOCI NOT SEEN.			
Note: IN RECUT-ARTIFACTUAL IMPLANT OF LYMPHOID TISSUE			
Lymph Node	Iliac	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	

Note: LYMPH MAL MIXD TGLs = 11-7

Note: UNSITED LYMPH NODE IS HEPATIC OR PANCREATIC

Note: LYMPH MAL MIXD TGLs = 9-2

Note: LYMPH MAL MIXD TGLs = 13-11

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8841

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88841

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: LYMPH MAL MIXD TGLs = 15-12

Note: LYMPH MAL MIXD TGLs = 14-13

[ Lymphoma Malignant Mixed TGLS = 12-3 ]

Mammary GI

Note: MAMMARY GLAND NOT IN ORIGINAL SECTION. THICKENED

Note: MAMMARY GLAND NOT IN WET TISSUES-----

Nose

Mucosa

Degeneration

Hyaline, Mild

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 16-3

Salivary Glands

Infiltration Cellular

Lymphocyte, Multifocal, Mild

Spleen

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 5+6-5

Thymus

Depletion Lymphoid

Mild

Urinary Bladder

Lymphoma Malignant Mixed

Uterus

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: MAL. LYMPHOMA HAS VARIED MORPHOLOGY IN DIFFERENT ORGANS

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8842

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: 88842

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - 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	Kidney
Larynx	Liver	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

**MISSING**

Gallbladder

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
	Medulla	Pheochromocytoma Benign	
Bone		Hyperplasia	Mild
Brain		Mineralization	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Nose	Mucosa	Degeneration	Hyaline, Moderate
	Respirat Epith	Hyperplasia	Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Skin	Epithelium	Hyperplasia	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Minimal

Note: HYPERPLASIA TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8903

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 6250PPM FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88903

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Lung

Spleen

**OBSERVATIONS**

Skin

Epithelium

Hyperplasia

Mild

Inflammation

Chronic, Mild

[ Hyperplasia TGLS = 3-7 ]

[ Inflammation TGLS = 3-7 ]

Uterus

Hyperplasia

Cystic, Moderate

[ Hyperplasia TGLS = 2-8 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8904

**TRT#:** 5  
**DOSE:** 6250PPM FEMALE

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 731  
**HISTO:** 88904

**OBSERVATIONS**

Intestine Small  
Note: HYPERPLASIA TGLs = 2-4.1

Jejunum, Peyers Patch

Hyperplasia

Lymphoid, Moderate

Lung

Peribronchiolr  
Perivascular

Infiltration Cellular  
Infiltration Cellular

Lymphocyte, Mild  
Lymphocyte, Mild

Skin

Epithelium

Hyperplasia  
Inflammation

Minimal  
Chronic, Minimal

Note: HYPERPLASIA TGLs = 1-7  
Note: INFLAMMATION TGLs = 1-7

Uterus  
Note: HYPERPLASIA TGLs = 3-8

Hyperplasia

Cystic, Marked

PRIMARY CAUSE OF DEATH

-



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8906

TRT#: 5

SEX: Female

DAY ON TEST: 732

DOSE: 6250PPM FEMALE

DISP: Terminal Sacrifice

HISTO: 88906

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Small - Jejunum

OBSERVATIONS

Kidney

Note: THE KIDNEY HAS MORE CONVINCING LYMPHOMA LESIONS.

Liver

Note: BLOCK 5 BUT PRESENT IN SECTION

Note: GROSS LESIONS TRIMMED INTO

Lung

Lymph Node

Iliac

Mandibular

Mediastinal

Renal

Note: LYMPH MAL LYMP TGLs = 10-12

Note: LYMPH MAL LYMP TGLs = 9-11

Note: LYMPH MAL LYMP TGLs = 8-2

[ Lymphoma Malignant Lymphocytic TGLs = 7-13 ]

Skin

Note: INFLAMMATION TGLs = 1-14

Uterus

Note: HYPERPLASIA TGLs = 3-8

Infiltration Cellular

Lymphocyte, Mild

Alveolar/Bronchiolar Adenoma

Lymphoma Malignant Lymphocytic

Lymphoma Malignant Lymphocytic

Lymphoma Malignant Lymphocytic

Lymphoma Malignant Lymphocytic

Inflammation

Chronic, Mild

Hyperplasia

Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8907

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 6250PPM FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88907

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Lung

Spleen

**OBSERVATIONS**

Intestine Small

Jejunum, Peyers Patch

Hyperplasia

Lymphoid, Mild

Note: HYPERPLASIA TGLs = 4-4.1

Kidney

Infiltration Cellular

Lymphocyte, Marked

Lymph Node

Mandibular

Hyperplasia

Lymphoid, Mild

[ Hyperplasia TGLs = 2-2 ]

Uterus

Hyperplasia

Cystic, Marked

[ Hyperplasia TGLs = 3-8 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8909

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 6250PPM FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88909

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Intestine Small - Jejunum

Lung

Lymph Node

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**OBSERVATIONS**

Kidney

Infiltration Cellular

Lymphocyte, Marked

Note: OR RECUT.

Note: MINUTE MEDULLARY CYSTS NOT IN ORIGINAL

Uterus

Hyperplasia

Cystic, Marked

[ Hyperplasia TGLS = 2-8 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8911

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 6250PPM FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88911

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Large - Cecum

Skin

**OBSERVATIONS**

Kidney

Infiltration Cellular

Lymphocyte, Moderate

Note: GROSS NODULE NOT IN ORIGINAL OR 2 RECUTS.

Note: GROSS NODULE COULD BE CELLULAR INFILTRATE, LYMPH.

Lung

Alveolar Epith

Hyperplasia

Focal, Mild

Spleen

Hyperplasia

Lymphoid, Moderate

[ Hyperplasia TGLS = 2-5 ]

Uterus

Hyperplasia

Cystic, Moderate

Note: HYPERPLASIA TGLs = 3-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8912

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 6250PPM FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88912

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small - Jejunum

Lung

Skin

**OBSERVATIONS**

Kidney

Infiltration Cellular

Lymphocyte, Mild

Metaplasia

Osseous, Mild

Note: IN ORIGINAL AND RECUT.

Note: GROSS YELLOW NODULES PROBABLY CAPSULAR FAT-

Liver

Lymphoma Malignant Mixed

[ Lymphoma Malignant Mixed TGLS = 3-5 ]

Lung

Note: GROSS RED FOCUS PROBABLY ARTIFACTUAL HEMORRAGE.

Note: HEMORRHAGE IN ADDED LUNG SECTION, BEST SEEN IN 6.1RC.

Lymph Node

Note: MEDIASTINAL LN-GROSS "MEDIASTINAL NODE" WAS ACTUALLY FAT.

Spleen

Lymphoma Malignant Mixed

[ Lymphoma Malignant Mixed TGLS = 2-5 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8913

**TRT#:** 5  
**DOSE:** 6250PPM FEMALE

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 88913

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small - Jejunum

Lung

**OBSERVATIONS**

Ovary

Cystadenoma

Note: CYSTADENOMA TGLs = 4-8+8.1

Skin

Inflammation

Chronic, Minimal

Note: INFLAMMATION TGLs = 1-11

Uterus

Hyperplasia

Cystic, Mild

Note: HYPERPLASIA TGLs = 3-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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<b>ANIMAL ID:</b> 8914	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 6250PPM FEMALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 88914

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Intestine Small - Jejunum	Lung
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**OBSERVATIONS**

Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 4-11			
Skin		Inflammation	Chronic, Minimal
Note: INFLAMMATION TGLs = 1-12			
Uterus		Dilatation	Moderate
		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 2-8			
[ Hyperplasia TGLS = 3-8 ]			

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PRIMARY CAUSE OF DEATH

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Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8915

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 6250PPM FEMALE

DISP: Terminal Sacrifice

HISTO: 88915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Small - Jejunum  
Thymus

Kidney  
Thyroid Gland

Liver  
Tongue

Skin

OBSERVATIONS

Lung

Alveolar Epith  
Artery

Hyperplasia  
Hypertrophy  
Lymphoma Malignant Mixed

Focal, Mild  
Multifocal, Marked

Note: HYPERTROPHY TGLs = 17+18+19-6

Note: LYMPH MAL MIXD TGLs = 17+18+19-6

[ Hypertrophy TGLS = 17+18+19-6 ]

Lymph Node

Iliac  
Inguinal  
Mediastinal  
Mesenteric  
Renal

Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 14-17

Note: LYMPH MAL MIXD TGLs = 7-11

[ Lymphoma Malignant Mixed TGLS = 8-14 ]

[ Lymphoma Malignant Mixed TGLS = 12-15 ]

[ Lymphoma Malignant Mixed TGLS = 13-16 ]

Ovary

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 16-8

Pancreas

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 8-14

Spleen

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 2-5

Uterus

Hyperplasia

Cystic, Minimal

Note: HYPERPLASIA TGLs = 11-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8916

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 6250PPM FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88916

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Intestine Small - Jejunum  
Spleen

Kidney

Liver

Lung

---

**OBSERVATIONS**

Kidney

Note: BLOCK 8, NOT SLIDE OR RECUT.

Note: GROSS RENAL LESIONS TRIMMED INTO

Liver

Note: GROSS LIVER FOCUS TRIMMED INTO BLOCK 5,

Note: NOT IN SLIDE OR RECUTS.

Uterus

Hyperplasia

Cystic, Mild

Note: HYPERPLASIA TGLs = 4+6-8

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PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8917

**TRT#:** 5  
**DOSE:** 6250PPM FEMALE

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 729  
**HISTO:** 88917

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Spleen

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**OBSERVATIONS**

Lung	Artery	Hypertrophy	Multifocal, Mild
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Marked

Note: HYPERPLASIA TGLs = 2-8

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**PRIMARY CAUSE OF DEATH**

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-

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8918

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 6250PPM FEMALE

DISP: Terminal Sacrifice

HISTO: 88918

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small - Jejunum

Spleen

**OBSERVATIONS**

Lung

Artery

Hypertrophy

Multifocal, Mild

Perivascular

Infiltration Cellular

Lymphocyte, Mild

[ Hypertrophy TGLS = 6-6 ]

[ Infiltration Cellular TGLS = 6-6 ]

Skin

Inflammation

Chronic, Mild

[ Inflammation TGLS = 1-12 ]

Uterus

Hyperplasia

Cystic, Mild

Lymphoma Malignant Histiocytic

Note: HYPERPLASIA TGLs = 3-8

Note: CORRESPONDS TO RETICULUM CELL, TYPE A

[ Hyperplasia TGLS = 5-11 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8919

**TRT#:** 5  
**DOSE:** 6250PPM FEMALE

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 729  
**HISTO:** 88919

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**OBSERVATIONS**

Lung Note: HYPERPLASIA TGLs = 5-6	Alveolar Epith	Hyperplasia	Focal, Minimal
Lymph Node Note: HYPERPLASIA TGLs = 4-11	Iliac	Hyperplasia	Lymphoid, Minimal
Ovary Note: CYST TGLs = 1-8+8.1		Cyst	Moderate
Skin Note: INFLAMMATION TGLs = 3-12		Inflammation	Chronic, Minimal
Uterus Note: HYPERPLASIA TGLs = 2-8		Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8920

**TRT#:** 5  
**DOSE:** 6250PPM FEMALE

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 88920

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Islets, Pancreatic

**OBSERVATIONS**

Lung	Alveolar Epith	Hyperplasia	Focal, Mild
Ovary		Cyst	Moderate
		Pigmentation	Hemosiderin, Moderate
Note: CYST TGLs = 4-8			
Pancreas	Acinus	Atrophy	Marked
	Duct	Cyst	Marked
[ Atrophy TGLS = 2-2 ]			
Skin		Inflammation	Chronic, Minimal
Note: INFLAMMATION TGLs = 1-11			
Uterus		Dilatation	Moderate
		Hyperplasia	Cystic, Minimal
Note: HYPERPLASIA TGLs = 3-8			
Note: DILATATION TGLs = 3-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8921

**TRT#:** 5  
**DOSE:** 6250PPM FEMALE

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 88921

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**OBSERVATIONS**

Lung [ Hyperplasia TGLS = 3-6 ]	Alveolar Epith	Hyperplasia	Focal, Marked
Skin [ Inflammation TGLS = 4-11 ] [ Mitotic Alteration TGLS = 4-11 ]	Epithelium	Inflammation Mitotic Alteration	Chronic, Mild Minimal
Uterus [ Hyperplasia TGLS = 1-8 ]		Hyperplasia	Cystic, Marked

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8922

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 6250PPM FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88922

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small - Jejunum

Lung

Skin

Spleen

**OBSERVATIONS**

Intest Small

Note: NO JEJUNAL NODULES IN SECTION OR IN RESIDUAL W. TISS.

Liver

Note: NOT IN ORIGINAL OR 2 RECURT SECTIONS OF THAT LOBE.

Note: GROSS FOCUS NOT VISIBLE AT TRIM

Infiltration Cellular

Lymphocyte, Mild

Uterus

Note: HYPERPLASIA TGLs = 2-8

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8923

**TRT#:** 5  
**DOSE:** 6250PPM FEMALE

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 729  
**HISTO:** 88923

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Lung

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**OBSERVATIONS**

Liver		Infarct	Marked
Note: INFARCT	TGLs = 1-5		
Ovary		Cyst	Moderate
Note: CYST	TGLs = 2-8		
Uterus		Hyperplasia	Cystic, Mild
[ Hyperplasia TGLs = 3-8 ]			

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8924

**TRT#:** 5  
**DOSE:** 6250PPM FEMALE

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 729  
**HISTO:** 88924

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Skin

**OBSERVATIONS**

Lung	Artery	Hypertrophy	Multifocal, Marked
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Uterus		Dilatation	Mild
		Hyperplasia	Cystic, Minimal

Note: DILATATION TGLs = 2-8

Note: HYPERPLASIA TGLs = 2-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8925

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 6250PPM FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88925

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Intestine Small - Jejunum

Spleen

---

**OBSERVATIONS**

Lung

Artery

Hypertrophy

Multifocal, Marked

Perivascular

Infiltration Cellular

Lymphocyte, Mild

Uterus

Hyperplasia

Cystic, Minimal

Note: HYPERPLASIA TGLs = 2-8

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8926

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 6250PPM FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88926

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Lung

Skin

---

**OBSERVATIONS**

Liver

Lymphoma Malignant Mixed

[ Lymphoma Malignant Mixed TGLS = 3+2-5 ]

Spleen

Lymphoma Malignant Mixed

[ Lymphoma Malignant Mixed TGLS = 5-5 ]

Uterus

Hyperplasia

Cystic, Mild

[ Hyperplasia TGLS = 4-8 ]

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8927

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 6250PPM FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88927

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Lung

**OBSERVATIONS**

Ovary

Cyst

Marked

Note: CYST TGLs = 1-11

Stomach

Forestomach

Diverticulum

Mild

Note: DIVERTICULUM TGLs = 3-7+7.1

Uterus

Hyperplasia

Cystic, Minimal

[ Hyperplasia TGLS = 2-8 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8928

TRT#: 5

SEX: Female

DAY ON TEST: 676

DOSE: 6250PPM FEMALE

DISP: Dead

HISTO: 88928

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Islets, Pancreatic	Kidney
Liver	Lung	Ovary	Pancreas
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Uterus	

**MISSING**

Parathyroid Gland	Skin
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**AUTO PRECLUDES DIAG.**

Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Pituitary Gland	Urinary Bladder		

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Heart			
Note: ABUNDANT P.M. BACTERIA			
Lymph Node	Mesenteric	Hemorrhage	Mild
Mammary Gland		Inflammation	Chronic, Mild
Nose	Mucosa	Degeneration	Hyaline, Minimal
Thymus		Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: MOST TISSUES MILDLY TO MODERATELY

Animal Note: AUTOLYTIC, OF MARGINAL VALUE.

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8929

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 6250PPM FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88929

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Intestine Small - Jejunum

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**OBSERVATIONS**

Kidney		Infiltration Cellular	Lymphocyte, Mild
Lung	Perivascular	Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hemangiosarcoma	
Note: HEMANGIOSARC	TGLs = 1-5+5.1		
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA	TGLs = 2-8		

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8930

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 6250PPM FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88930

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Lung

Spleen

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**OBSERVATIONS**

Thymus

Lymphoma Malignant Lymphocytic

[ Lymphoma Malignant Lymphocytic TGLS = 3-3 ]

Uterus

Hyperplasia

Cystic, Mild

[ Hyperplasia TGLS = 2-8 ]

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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<b>ANIMAL ID:</b> 8932	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 6250PPM FEMALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 88932

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Lung

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**OBSERVATIONS**

Lymph Node [ Hyperplasia TGLS = 5-13.1 ]	Renal	Hyperplasia	Lymphoid, Mild
Skin [ Inflammation TGLS = 1-11 ]		Inflammation	Chronic, Mild
Uterus [ Dilatation TGLS = 2-8 ] [ Hyperplasia TGLS = 3-8 ]		Dilatation Hyperplasia	Marked Cystic, Mild

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PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8933

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 6250PPM FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88933

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Lung

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8934

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 6250PPM FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88934

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Spleen

**OBSERVATIONS**

Lung

Peribronchial  
Perivascular

Alveolar/Bronchiolar Adenoma  
Infiltration Cellular  
Infiltration Cellular

Lymphocyte, Mild  
Lymphocyte, Mild

Note: [ ALV BRON ADEN ] TGLs = 2-8

Ovary

Note: CYST TGLs = 1-8

Cyst

Mild

Uterus

Note: HYPERPLASIA TGLs = 2-8

Note: DILATATION TGLs = 2-8

Dilatation  
Hyperplasia

Moderate  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8935

TRT#: 5

SEX: Female

DAY ON TEST: 601

DOSE: 6250PPM FEMALE

DISP: Dead

HISTO: 88935

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Mammary Gland	Nose	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Urinary Bladder
Uterus			

**MISSING**

Parathyroid Gland

**AUTO PRECLUDES DIAG.**

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Pancreas

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Lung		Lymphoma Malignant Mixed	
Lymph Node	Iliac	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 5-15.3		
Note: LYMPH MAL MIXD	TGLs = 3-15.1		
Note: LYMPH MAL MIXD	TGLs = 4-15.2		
Note: LYMPH MAL MIXD	TGLs = 2-1		
Ovary		Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 1-12		
Thymus		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 6-3		
Thyroid Gland	Follicular Cel	Adenoma	
Trachea		Lymphoma Malignant Mixed	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8935

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 601

**DOSE:** 6250PPM FEMALE

**DISP:** Dead

**HISTO:** 88935

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8936

**TRT#:** 5  
**DOSE:** 6250PPM FEMALE

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 731  
**HISTO:** 88936

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small - Jejunum

Lung

Spleen

**OBSERVATIONS**

Liver  
Cytoplasmic Alteration  
Cytoplasmic Alteration

Focal, Mild  
Focal, Minimal

Note: CYTOPLAS ALTER TGLs = 3-11

Note: CYTOPLAS ALTER TGLs = 4-5

Uterus

Hyperplasia

Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-8

PRIMARY CAUSE OF DEATH

-



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8937

TRT#: 5

SEX: Female

DAY ON TEST: 558

DOSE: 6250PPM FEMALE

DISP: Moribund

HISTO: 88937

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Brain	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Nose	Ovary	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Intestine Large - Rectum	Lymph Node - Mesenteric	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Mild
	Capsule	Hyperplasia	Multifocal, Minimal
Bone		Fibrous Osteodystrophy	Minimal
Bone Marrow		Hyperplasia	Neutrophil, Moderate
Liver		Hematopoietic Cell Proliferation	Mild
Lung	Artery	Mineralization	Multifocal, Marked
Lymph Node	Mediastinal	Mineralization	Marked
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 1-5+6+12+15.1			
Note: FAT NECROSIS IS ADJACENT TO OVARY, CECUM, KIDNEY			
Pancreas		Amyloid Deposition	Mild
Skin	Subcut Tiss	Mineralization	Focal, Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate
Thymus		Depletion Lymphoid	Moderate
Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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<b>ANIMAL ID:</b> 8938	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 6250PPM FEMALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 88938

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Lung	Thyroid Gland
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**OBSERVATIONS**

Lymph Node	Renal	Lymphoma Malignant Mixed
[ Lymphoma Malignant Mixed TGLS = 4-11 ]		
Pituitary Gland	Pars Distalis	Adenoma
[ Adenoma TGLS = 1-3 ]		
Spleen		Lymphoma Malignant Mixed
[ Lymphoma Malignant Mixed TGLS = 2-5 ]		

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**PRIMARY CAUSE OF DEATH** -

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**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8939

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 6250PPM FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88939

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Intestine Small - Jejunum

Lung

Spleen

**OBSERVATIONS**

Intest Small

Note: JEJUNUM-TWO SECTIONS DID NOT CONTAIN GROSS LESION

Liver

Note: LYMPH MAL LYMP TGLs = 3-5+5.1

Lymphoma Malignant Lymphocytic

Lymph Node

Mediastinal

Lymphoma Malignant Lymphocytic

Lymphoma Malignant Lymphocytic

Note: LYMPH MAL LYMP TGLs = 7-13

Uterus

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8940

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 6250PPM FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88940

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Intestine Small - Jejunum

Lung

---

**OBSERVATIONS**

Eye

Cornea

Inflammation

Chronic, Moderate

Note: INFLAMMATION TGLs = 1-11

Harderian Gland

Adenoma

Note: ADENOMA TGLs = 2-11

Uterus

Hyperplasia

Cystic, Mild

Note: HYPERPLASIA TGLs = 4-8

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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<b>ANIMAL ID:</b> 8941	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 6250PPM FEMALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 88941

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Intestine Small - Jejunum

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**OBSERVATIONS**

Lung	Artery	Hypertrophy	Multifocal, Moderate
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Skin		Inflammation	Chronic, Minimal
Note: INFLAMMATION	TGLs = 1-11		
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA	TGLs = 2-8		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8942

**TRT#:** 5  
**DOSE:** 6250PPM FEMALE

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 88942

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Intestine Small - Jejunum

Lung

Spleen

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**OBSERVATIONS**

Pituitary Gland

Pars Distalis

Adenoma

[ Adenoma TGLS = 2-3 ]

Skin

Inflammation

Chronic, Minimal

Note: INFLAMMATION TGLs = 1-11

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8943

TRT#: 5

SEX: Female

DAY ON TEST: 438

DOSE: 6250PPM FEMALE

DISP: Dead

HISTO: 88943

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Bone Marrow	Brain	Esophagus
Heart	Lung	Pituitary Gland	Salivary Glands
Skin	Trachea		

**MISSING**

Mammary Gland	Parathyroid Gland	Thymus	
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**AUTO PRECLUDES DIAG.**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mesenteric
Ovary	Pancreas	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Uterus	

**OBSERVATIONS**

Liver		Fatty Change	Diffuse, Moderate
Nose	Mucosa	Degeneration	Hyaline, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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<b>ANIMAL ID:</b> 8944	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 6250PPM FEMALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 88944

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Intestine Small - Jejunum	Spleen
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**OBSERVATIONS**

Lung	Peribronchial	Infiltration Cellular	Lymphocyte, Mild
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Ovary		Cyst	Mild
Note: CYST	TGLs = 4-8		
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 3-8		

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8945

TRT#: 5

SEX: Female

DAY ON TEST: 639

DOSE: 6250PPM FEMALE

DISP: Moribund

HISTO: 88945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lung	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Pituitary Gland
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Moderate
Liver		Granuloma	Mild
		Necrosis	Focal, Minimal
		Pigmentation	Lipofuscin, Mild
Note: PIGMENT IS IN MACROPHAGES			
Nose	Mucosa	Degeneration	Hyaline, Moderate
	Respirat Epith	Hyperplasia	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Skin	Subcut Tiss	Schwannoma Malignant	
Note: SCHWANNOMA MAL TGLs = 2-15.1			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 1-12			
Thymus		Depletion Lymphoid	Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8946

**TRT#:** 5  
**DOSE:** 6250PPM FEMALE

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 88946

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Lung

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**OBSERVATIONS**

Ovary	Cyst	Marked
[ Cyst TGLS = 1-8 ]		
Uterus	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 2-8 ]		

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

---

**ANIMAL ID:** 8947

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 6250PPM FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88947

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Intestine Small - Jejunum

Lung

Lymph Node

Skin

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**OBSERVATIONS**

Lymph Node

Note: LYMPH NODE IS MANDIBULAR

Uterus

Note: HYPERPLASIA TGLs = 3-8

Hyperplasia

Cystic, Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8950

TRT#: 5

SEX: Female

DAY ON TEST: 662

DOSE: 6250PPM FEMALE

DISP: Dead

HISTO: 88950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Intestine Large - Colon

Bone  
Mammary Gland

Esophagus  
Pituitary Gland

Intestine Large - Cecum  
Thyroid Gland

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Gallbladder

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland

Capsule  
Cortex

Hyperplasia  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Hemorrhage  
Lymphoma Malignant Lymphocytic

Multifocal, Mild

Bone Marrow  
Brain

Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Adenoma  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Necrosis

Moderate

Note: HEMORRHAGE TGLs = 10-10+15.1

Heart  
Intestine Large  
Islets, Pancreatic  
Kidney  
Liver

Rectum

Note: NECROSIS TGLs = 4-11

Note: LYMPH MAL LYMP TGLs = 3-11

Lung

Note: LYMPH MAL LYMP TGLs = 9-4

Lymph Node

Mesenteric  
Axillary  
Iliac  
Mandibular  
Mesenteric  
Renal

Lymphoma Malignant Lymphocytic  
Hemorrhage  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic

Focal, Moderate

Minimal

Note: LYMPH MAL LYMP TGLs = 8-16

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 8950

TRT#: 5

SEX: Female

DAY ON TEST: 662

DOSE: 6250PPM FEMALE

DISP: Dead

HISTO: 88950

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LYMPH MAL LYMP TGLs = 7-16

Note: MULTIPLE LYMPH NODES IN UNMARKED CAPSULE

Note: ASSUMED TO CORRESPOND TO THOSE NOTED

Note: GROSSLY AS TGL 6,7,8.

Note: LYMPH MAL LYMP TGLs = 6-16

Note: LYMPH MAL LYMP TGLs = 2-9+15.3

Nose	Mucosa	Degeneration	Hyaline, Mild
	Mucosa	Lymphoma Malignant Lymphocytic	
Ovary		Lymphoma Malignant Lymphocytic	
	Note: LYMPH MAL LYMP TGLs = 5-5		
Pancreas		Lymphoma Malignant Lymphocytic	
Salivary Glands		Lymphoma Malignant Lymphocytic	
Skin		Lymphoma Malignant Lymphocytic	
Spleen		Ectopic Tissue	
		Lymphoma Malignant Lymphocytic	
	Note: ECT TISSUE TGLs = 11-15.2		
	Note: ECTOPIC TISSUE IS ACCESSORY SPLEEN		
	Note: LYMPH MAL LYMP TGLs = 1-12+15.2		
Stomach	Forestomach	Lymphoma Malignant Lymphocytic	
	Glandular	Lymphoma Malignant Lymphocytic	
Thymus		Lymphoma Malignant Lymphocytic	
Trachea		Lymphoma Malignant Lymphocytic	
Urinary Bladder		Lymphoma Malignant Lymphocytic	
Uterus		Lymphoma Malignant Lymphocytic	

PRIMARY CAUSE OF DEATH

-

Animal Note: SOME ENL. LN NOT IN MICRO SEC FROM IRDC NOT NEEDED FOR DX

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8952

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 6250PPM FEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 88952

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Intestine Small - Jejunum

Lung

Spleen

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**OBSERVATIONS**

Lung

Note: GROSS RED FOCUS NOT IN SLIDE OR RECUT

Uterus

Hyperplasia

Cystic, Mild

Note: HYPERPLASIA TGLs = 3+4-8

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 8954

**TRT#:** 5  
**DOSE:** 6250PPM FEMALE

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 88954

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Skin

**OBSERVATIONS**

Intestine Small

Jejunum, Peyers Patch

Angiectasis

Moderate

Note: ANGIECTASIS TGLs = 2-11

Lung

Alveolar/Bronchiolar Adenoma

Uterus

Hyperplasia

Cystic, Minimal

Note: HYPERPLASIA TGLs = 4-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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<b>ANIMAL ID:</b> 8956	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 163
	<b>DOSE:</b> 6250PPM FEMALE	<b>DISP:</b> Dead	<b>HISTO:</b> 88956

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Intestine Large - Rectum	Kidney	Mammary Gland	Ovary
Skin	Stomach - Forestomach	Urinary Bladder	Uterus

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**MISSING**

Brain	Esophagus	Gallbladder	Heart
Intestine Small - Ileum	Lung	Lymph Node - Mesenteric	Nose
Parathyroid Gland	Pituitary Gland	Salivary Glands	Spleen
Thymus	Thyroid Gland	Trachea	

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**AUTO PRECLUDES DIAG.**

Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Pancreas	

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**OBSERVATIONS**

Stomach	Glandular	Hemorrhage	Mild
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**PRIMARY CAUSE OF DEATH**

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Animal Note: ANIMAL CANNIBALIZED EXTENSIVELY.

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**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 8959

**TRT#:** 5  
**DOSE:** 6250PPM FEMALE

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 729  
**HISTO:** 88959

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**OBSERVATIONS**

Lung	Perivascular Artery	Infiltration Cellular Thrombosis	Lymphocyte, Minimal Minimal
Lymph Node Note: HYPERPLASIA TGLs = 2-11	Iliac	Hyperplasia	Lymphoid, Marked
Uterus Note: HYPERPLASIA TGLs = 1-8		Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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<b>ANIMAL ID:</b> 8960	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 6250PPM FEMALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 88960

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Intestine Small - Jejunum	Kidney	Liver	Spleen
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**OBSERVATIONS**

Liver			
Note: GROSS FOCUS TRIMMED IN BLOCK 5, Note: NOT IN SLIDE OR RECUT			
Lung	Artery Perivascular	Hypertrophy Infiltration Cellular Inflammation	Multifocal, Minimal Lymphocyte, Minimal Chronic, Minimal
Skin			
Note: INFLAMMATION TGLs = 1-11			
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 2-8			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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<b>ANIMAL ID:</b> 8961	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 6250PPM FEMALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 88961

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Intestine Small - Jejunum	Lung	Spleen
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**OBSERVATIONS**

Kidney	Renal Tubule	Degeneration	Focal, Mild
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Note: DEGEN TGLs = 1-8

Lung

Note: GROSS FOCUS TRIMMED INTO BLOCK 6,

Note: NOT IN SLIDE OR RE CUT.

Uterus

Hyperplasia

Cystic, Marked

Note: HYPERPLASIA TGLs = 2-8

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:00  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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<b>ANIMAL ID:</b> 8962	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 6250PPM FEMALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 88962

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Intestine Small - Jejunum	Liver
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**OBSERVATIONS**

Liver			
Note: NOT IN SECTION OR RECUR.			
Note: GROSS FOCUS TRIMMED INTO BLOCK 5,			
Lung	Artery	Hypertrophy	Multifocal, Moderate
	Perivascular	Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hematopoietic Cell Proliferation	Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 2-8			

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**PRIMARY CAUSE OF DEATH** -

---

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9023

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89023

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Pancreas  
Spleen  
Thyroid Gland

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Kidney  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

Bone  
Heart  
Intestine Small - Duodenum  
Larynx  
Mammary Gland  
Pituitary Gland  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Nose  
Salivary Glands  
Thymus

**OBSERVATIONS**

Adrenal Gland  
Brain  
Islets, Pancreatic  
Ovary  
    Note: CYST      TGLs = 1-8  
Skin  
Uterus  
    Note: HYPERPLASIA      TGLs = 2-8

Capsule

Hyperplasia  
Mineralization  
Hyperplasia  
Cyst  
  
Inflammation  
Hyperplasia

Multifocal, Mild  
Multifocal, Minimal  
Multifocal, Mild  
Mild  
  
Chronic, Minimal  
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9025

TRT#: 6

SEX: Female

DAY ON TEST: 660

DOSE: 12500PPMFEMALE

DISP: Moribund

HISTO: 89025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Mild
Lung	Artery	Hypertrophy	Multifocal, Moderate
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Ovary		Cyst	Moderate
Note: CYST	TGLs = 1-5		
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Spinal Cord			
Note: SAMPLED BECAUSE OF POSTERIOR PARALYSIS.			
Spleen		Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9026

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89026

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Salivary Glands  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Larynx  
Nose  
Spleen  
Thyroid Gland

Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Pancreas  
Stomach - Forestomach  
Trachea

**OBSERVATIONS**

Adrenal Gland  
Bone  
Brain  
Lung  
  
Ovary  
Pituitary Gland  
Skin  
Uterus

Capsule  
  
Artery  
Perivascular  
  
Pars Distalis

Hyperplasia  
Fibrous Osteodystrophy  
Mineralization  
Hypertrophy  
Infiltration Cellular  
Cyst  
Hyperplasia  
Inflammation  
Hyperplasia

Multifocal, Mild  
Moderate  
Multifocal, Minimal  
Multifocal, Moderate  
Lymphocyte, Mild  
Mild  
Focal, Minimal  
Chronic, Minimal  
Cystic, Mild

Note: HYPERPLASIA TGLs = 3-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9027

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Salivary Glands  
Thyroid Gland

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Larynx  
Pancreas  
Spleen  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Parathyroid Gland  
Stomach - Forestomach

Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pituitary Gland  
Stomach - Glandular

OBSERVATIONS

Adrenal Gland  
Bone  
Brain  
Kidney  
Lung  
  
Nose  
  
Ovary  
    Note: CYST      TGLs = 5-8  
Skin  
Thymus  
Urinary Bladder  
Uterus  
    Note: HYPERPLASIA      TGLs = 4-8

Capsule  
  
Artery  
Perivascular  
Pleura  
Mucosa  
Respirat Epith

Hyperplasia  
Fibrous Osteodystrophy  
Mineralization  
Infiltration Cellular  
Hypertrophy  
Infiltration Cellular  
Infiltration Cellular  
Degeneration  
Hyperplasia  
Cyst  
  
Inflammation  
Ectopic Parathyroid Gland  
Infiltration Cellular  
Hyperplasia

Multifocal, Mild  
Minimal  
Multifocal, Mild  
Lymphocyte, Minimal  
Multifocal, Minimal  
Lymphocyte, Minimal  
Lymphocyte, Mild  
Hyaline, Mild  
Minimal  
Moderate  
  
Chronic, Minimal  
  
Lymphocyte, Minimal  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:00

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9028

TRT#: 6

SEX: Female

DAY ON TEST: 639

DOSE: 12500PPMFEMALE

DISP: Moribund

HISTO: 89028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Parathyroid Gland
Skin	Thyroid Gland	Uterus	

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
	Cortex	Hyperplasia	Focal, Mild
Brain		Mineralization	Multifocal, Minimal
Esophagus		Lymphoma Malignant Mixed	
Gallbladder		Lymphoma Malignant Mixed	
Heart		Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Lung		Lymphoma Malignant Mixed	
Lymph Node	Axillary	Lymphoma Malignant Mixed	
	Inguinal	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 1-7+15.3		
Note: LYMPH MAL MIXD	TGLs = 1-1		
Mammary Gland		Lymphoma Malignant Mixed	
Ovary		Lymphoma Malignant Mixed	
Pancreas		Lymphoma Malignant Mixed	
Salivary Glands		Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 2-12		
Stomach	Forestomach	Lymphoma Malignant Mixed	
	Glandular	Lymphoma Malignant Mixed	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:01  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 9028

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 639

**DOSE:** 12500PPMFEMALE

**DISP:** Moribund

**HISTO:** 89028

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LYMPH MAL MIXD TGLs = 5-6

Thymus

Lymphoma Malignant Mixed

Trachea

Lymphoma Malignant Mixed

Urinary Bladder

Lymphoma Malignant Mixed

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9029

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89029

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Larynx  
Mammary Gland  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Nose  
Pituitary Gland  
Stomach - Glandular

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lung  
Ovary  
Salivary Glands  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Pancreas  
Spleen  
Thyroid Gland

**OBSERVATIONS**

Adrenal Gland                      Capsule  
Lung  
    Note: GROSS FOCUS NOT IN ORIGINAL OR RECUT

Hyperplasia                      Multifocal, Mild

Skin  
Urinary Bladder  
Uterus  
    Note: HYPERPLASIA    TGLs = 2-8+8.1-8

Inflammation                      Chronic, Mild  
Infiltration Cellular              Lymphocyte, Moderate  
Hyperplasia                      Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9030

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lung	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Mild
Kidney		Infiltration Cellular	Lymphocyte, Mild
Nose	Mucosa	Degeneration	Hyaline, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Thymus			
Note: GROSSLY ENLARGED "MEDIASTINAL NODE" IS THYMUS			
Uterus		Hemangioma	
		Hyperplasia	Cystic, Mild
Note: HEMANGIOMA	TGLs = 2-8		
Note: HYPERPLASIA	TGLs = 1-8		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9031

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89031

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Larynx	Liver	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea		

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Lung		Lymphoma Malignant Lymphocytic	
Pancreas		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Thymus		Lymphoma Malignant Lymphocytic	
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Minimal

Note: HYPERPLASIA TGLs = 2-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9033

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Pituitary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Brain		Mineralization	Multifocal, Minimal
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 4-11		
Kidney			
Note: 1 KIDNEY DAMAGED AT NECROPSY			
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 2-5		
Lung		Alveolar/Bronchiolar Adenoma	
	Artery	Hypertrophy	Multifocal, Mild
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Nose	Mucosa	Degeneration	Hyaline, Mild
	Respirat Epith	Hyperplasia	Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Minimal
Note: HYPERPLASIA	TGLs = 3-8		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9034

TRT#: 6

SEX: Female

DAY ON TEST: 640

DOSE: 12500PPMFEMALE

DISP: Moribund

HISTO: 89034

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	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
Pancreas	Pituitary Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Uterus			

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hyperplasia	Focal, Moderate
Heart		Infiltration Cellular	Lymphocyte, Minimal
Kidney	Glomerulus	Inflammation	Chronic, Mild
Liver		Fatty Change	Diffuse, Mild
Note: FATTY CHANGE TGLs = 2-11			
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Marked
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 1-15.1			
Ovary		Infiltration Cellular	Lymphocyte, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 3-12			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9035

TRT#: 6

SEX: Female

DAY ON TEST: 529

DOSE: 12500PPMFEMALE

DISP: Dead

HISTO: 89035

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Rectum
Islets, Pancreatic	Liver	Lung	Mammary Gland
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

**MISSING**

Lymph Node - Mesenteric	Parathyroid Gland
-------------------------	-------------------

**AUTO PRECLUDES DIAG.**

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum		

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Kidney		Infiltration Cellular	Lymphocyte, Mild
Nose	Mucosa	Degeneration	Hyaline, Mild
Skin		Inflammation	Acute, Minimal
		Ulcer	Marked
Note: ULCER	TGLs = 2-15.1		
Thymus		Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9036

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89036

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Liver	Lung
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
	Cortex	Hypertrophy	Focal, Mild
Brain		Mineralization	Multifocal, Minimal
Kidney		Infiltration Cellular	Lymphocyte, Marked
Liver			
Note: GROSS FOCUS NOT IN ORIGINAL OR RECUT			
Nose	Mucosa	Degeneration	Hyaline, Minimal
	Respirat Epith	Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-3			
Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Minimal
Uterus		Hyperplasia	Cystic, Minimal
Note: HYPERPLASIA TGLs = 5-8			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9037

TRT#: 6

SEX: Female

DAY ON TEST: 721

DOSE: 12500PPMFEMALE

DISP: Dead

HISTO: 89037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Rectum  
Thyroid Gland

Adrenal Gland - Medulla  
Eye  
Islets, Pancreatic  
Trachea

Bone  
Intestine Large - Cecum  
Pituitary Gland

Bone Marrow  
Intestine Large - Colon  
Stomach - Glandular

MISSING

Esophagus

Intestine Small - Jejunum

Mammary Gland

Parathyroid Gland

AUTO PRECLUDES DIAG.

Gallbladder

Intestine Small - Duodenum

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland  
Eye  
Note: EYE NOT IDENTIFIED IN SECTION

Capsule

Hyperplasia

Multifocal, Mild

Heart  
Kidney  
Larynx  
Liver  
Lung  
  
Note: ALV BRON ADEN TGLs = 5-6

Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed  
Alveolar/Bronchiolar Adenoma  
Lymphoma Malignant Mixed

Lymph Node  
  
Note: LYMPH MAL MIXD TGLs = 11-7  
Note: LYMPH MAL MIXD TGLs = 3-2  
Note: LYMPH MAL MIXD TGLs = 9-13  
Note: LYMPH MAL MIXD TGLs = 8-12

Bronchial  
Mandibular  
Mesenteric  
Renal

Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed

Nose  
Ovary  
Pancreas

Mucosa

Degeneration  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed

Hyaline, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:01  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

**ANIMAL ID:** 9037

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 721

**DOSE:** 12500PPMFEMALE

**DISP:** Dead

**HISTO:** 89037

**ORGAN AND ACCOUNTABLE SITE STATUS**

Salivary Glands [ Lymphoma Malignant Mixed TGLS = 2-2 ]		Lymphoma Malignant Mixed
Skeletal Muscle		Lymphoma Malignant Mixed
Skin		Lymphoma Malignant Mixed
Spleen Note: LYMPH MAL MIXD TGLs = 4-5		Lymphoma Malignant Mixed
Stomach Thymus Note: LYMPH MAL MIXD TGLs = 6-3	Forestomach	Lymphoma Malignant Mixed Lymphoma Malignant Mixed
Urinary Bladder		Lymphoma Malignant Mixed
Uterus		Lymphoma Malignant Mixed

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9040

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89040

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Gallbladder  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Pituitary Gland  
Stomach - Glandular

Adrenal Gland - Medulla  
Intestine Large - Cecum  
Intestine Small - Ileum  
Larynx  
Mammary Gland  
Salivary Glands  
Thyroid Gland

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Pancreas  
Spleen  
Trachea

Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lung  
Parathyroid Gland  
Stomach - Forestomach

**OBSERVATIONS**

Adrenal Gland  
Bone  
Brain  
Heart  
Nose  
  
Ovary  
Note: CYST      TGLs = 2-8  
Skin  
Thymus  
Urinary Bladder  
Uterus  
Note: HYPERPLASIA      TGLs = 3-8

Capsule  
  
Artery  
Mucosa  
Respirat Epith

Hyperplasia  
Fibrous Osteodystrophy  
Mineralization  
Hypertrophy  
Degeneration  
Hyperplasia  
Cyst  
  
Inflammation  
Hyperplasia  
Infiltration Cellular  
Hyperplasia

Multifocal, Moderate  
Mild  
Multifocal, Mild  
Multifocal, Mild  
Hyaline, Mild  
Minimal  
Mild  
  
Chronic, Minimal  
Lymphoid, Mild  
Lymphocyte, Minimal  
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9041

TRT#: 6

SEX: Female

DAY ON TEST: 684

DOSE: 12500PPMFEMALE

DISP: Moribund

HISTO: 89041

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
Lung	Artery	Hypertrophy	Multifocal, Marked
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Nose	Mucosa	Degeneration	Hyaline, Minimal
Thymus		Depletion Lymphoid	Moderate
Uterus		Hyperplasia	Cystic, Minimal

Note: HYPERPLASIA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9042

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lung	Ovary	Pancreas
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Ectopic Tissue	Mild
	Capsule	Hyperplasia	Multifocal, Mild
Bone Marrow		Hyperplasia	Neutrophil, Moderate
Brain		Mineralization	Multifocal, Mild
Note: NO DIAGNOSTIC TERM AVAILABLE FOR COMPRESSION			
Intestine Small	Duodenum	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 4-11			
Kidney		Lymphoma Malignant Lymphocytic	
Liver		Hematopoietic Cell Proliferation	Minimal
Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
Mammary Gland		Hyperplasia	Moderate
Nose	Mucosa	Degeneration	Hyaline, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
[ Carcinoma TGLs = 1-3 ]			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 3-5			
Thymus		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Carcinoma	
Note: CARCINOMA TGLs = 6-3			
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 5-8			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:01  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 9042

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 12500PPMFEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 89042

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9043

TRT#: 6

SEX: Female

DAY ON TEST: 680

DOSE: 12500PPMFEMALE

DISP: Moribund

HISTO: 89043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Liver	Mammary Gland	Ovary
Pancreas	Pituitary Gland	Skin	Stomach - Forestomach
Trachea			

MISSING

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Parathyroid Gland	Thyroid Gland
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OBSERVATIONS

Bone Marrow		Hyperplasia	Neutrophil, Moderate
Brain	Arteriole, Meninges Meninges	Bacterium Inflammation Mineralization	Acute, Minimal Multifocal, Minimal
Heart	Arteriole, Meninges Mitral Valve Aortic Valve	Thrombosis Bacterium Inflammation	Minimal Acute, Marked
Intestine Small	Jejunum	Thrombosis	Marked
Kidney		Hemorrhage Embolus Bacterial Inflammation Lymphoma Malignant Mixed	Minimal Acute, Multifocal, Mild
Note: EMBOLIC NEPHRITIS			
Lung	Alveolus Artery Interstitialium	Edema Hypertrophy Inflammation Lymphoma Malignant Mixed	Mild Multifocal, Moderate Acute, Mild
Lymph Node	Mesenteric Mesenteric	Abscess Lymphoma Malignant Mixed	Moderate
Note: LYMPH MAL MIXD TGLs = 1-15			
Note: SLIDE MISLABELED MEDIASTINAL LYMPH NODE			
Nose	Mucosa	Degeneration	Hyaline, Minimal

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:01  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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<b>ANIMAL ID:</b> 9043	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 680
	<b>DOSE:</b> 12500PPMFEMALE	<b>DISP:</b> Moribund	<b>HISTO:</b> 89043

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Salivary Glands		Lymphoma Malignant Mixed	
Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant Mixed	
Note: HEMA CELL PROL	TGLs = 2-12		
Note: LYMPH MAL MIXD	TGLs = 2-12		
Stomach	Glandular	Infiltration Cellular	Lymphocyte, Minimal
Thymus		Depletion Lymphoid	Moderate
Urinary Bladder		Hemorrhage	Minimal
		Lymphoma Malignant Mixed	
Uterus		Dilatation	Moderate
Note: DILATATION	TGLs = 3-5		

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**PRIMARY CAUSE OF DEATH** -

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Animal Note: LYMPHOMA HAS VARIED MORPHOLOGY IN DIFFERENT SITES

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9044

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Skin  
Thymus

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Kidney  
Ovary  
Spleen  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Larynx  
Pancreas  
Stomach - Forestomach  
Trachea

Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Parathyroid Gland  
Stomach - Glandular

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland  
Bone  
Brain  
Liver

Capsule

Hyperplasia  
Fibrous Osteodystrophy  
Mineralization  
Hematocyst

Multifocal, Mild  
Moderate  
Multifocal, Mild  
Moderate

Note: GROSS RED FOCUS TRIMMED INTO BLOCK 5. NOT IN SLIDE

Note: HEMATOCYST TGLs = 4-5+5.1

Note: RECUT, OR RETRIM.

Nose

Mucosa  
Respirat Epith  
Pars Distalis

Degeneration  
Hyperplasia  
Hyperplasia  
Infiltration Cellular  
Infiltration Cellular  
Hyperplasia

Hyaline, Mild  
Minimal  
Focal, Mild  
Lymphocyte, Multifocal, Minimal  
Lymphocyte, Minimal  
Cystic, Moderate

Pituitary Gland  
Salivary Glands  
Urinary Bladder  
Uterus

Note: HYPERPLASIA TGLs = 2-8

PRIMARY CAUSE OF DEATH

-

Animal Note: ORIGINAL #'S 6 - 11 LOST, REPLACED BY RECUTS.

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9045

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Islets, Pancreatic  
Mammary Gland  
Skin  
Thymus

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Larynx  
Nose  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Ileum  
Lung  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Brain  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Glandular

MISSING

Intestine Small - Duodenum

Parathyroid Gland

OBSERVATIONS

Adrenal Gland  
Bone  
Kidney  
Liver  
Lymph Node

Capsule

Hyperplasia  
Fibrous Osteodystrophy  
Infiltration Cellular  
Infiltration Cellular  
Hyperplasia  
Hyperplasia

Multifocal, Moderate  
Marked  
Lymphocyte, Mild  
Lymphocyte, Mild  
Lymphoid, Mild  
Lymphoid, Mild

Note: HYPERPLASIA TGLs = 3-3  
Note: HYPERPLASIA TGLs = 4-12

Mediastinal  
Renal

Ovary  
Pancreas  
Urinary Bladder  
Uterus

Cyst  
Infiltration Cellular  
Infiltration Cellular  
Hyperplasia

Mild  
Lymphocyte, Multifocal, Minimal  
Lymphocyte, Mild  
Cystic, Marked

Note: HYPERPLASIA TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9047

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89047

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Lung	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea		

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Bone		Fibrous Osteodystrophy	Minimal
Liver		Infiltration Cellular	Lymphocyte, Minimal
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Ovary		Cyst	Moderate
Note: CYST	TGLs = 1-8		
Thymus		Hyperplasia	Lymphoid, Marked
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 2-8		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9048

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89048

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Larynx	Liver
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Moderate
	Cortex	Hyperplasia	Focal, Mild
Brain		Mineralization	Multifocal, Minimal
Lung	Artery	Hypertrophy	Multifocal, Moderate
	Mediastinum	Infiltration Cellular	Lymphocyte, Moderate
	Perivascular	Infiltration Cellular	Lymphocyte, Moderate
Nose	Mucosa	Degeneration	Hyaline, Moderate
	Respirat Epith	Hyperplasia	Minimal
Ovary		Cyst	Mild
Note: CYST	TGLs = 1-8		
Thymus		Hyperplasia	Lymphoid, Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 2-8		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9049

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pituitary Gland  
Trachea

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Salivary Glands  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Mammary Gland  
Stomach - Forestomach

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Pancreas  
Stomach - Glandular

MISSING

Larynx Parathyroid Gland

OBSERVATIONS

Adrenal Gland  
Bone Marrow  
Kidney  
Liver

Capsule

Hyperplasia  
Lymphoma Malignant Histiocytic  
Lymphoma Malignant Histiocytic  
Lymphoma Malignant Histiocytic  
Necrosis

Multifocal, Mild

Note: NECROSIS TGLs = 3+4-5

Lung

Alveolus

Hemorrhage  
Infiltration Cellular  
Lymphoma Malignant Histiocytic

Focal, Moderate  
Histiocyte, Moderate

Note: HEMORRHAGE TGLs = 9-6

Lymph Node

Iliac  
Mesenteric  
Renal  
Iliac  
Mandibular  
Mesenteric  
Renal

Hemorrhage  
Hemorrhage  
Hemorrhage  
Lymphoma Malignant Histiocytic  
Lymphoma Malignant Histiocytic  
Lymphoma Malignant Histiocytic  
Lymphoma Malignant Histiocytic

Mild  
Moderate  
Marked

Note: LYMPH MAL HIST TGLs = 5-7

Note: LYMPH MAL HIST TGLs = 6-12

Note: LYMPH MAL HIST TGLs = 7-13

Nose

Mucosa

Degeneration

Hyaline, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:01  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 9049

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 12500PPMFEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 89049

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Ovary Note: CYST LINED BY COLUMNAR EPITHELIUM	Cyst	Mild
Skin	Inflammation	Chronic, Minimal
Spleen Note: LYMPH MAL HIST TGLs = 2-5	Lymphoma Malignant Histiocytic	
Thymus	Lymphoma Malignant Histiocytic	
Thyroid Gland	Inflammation	Acute, Mild
Uterus Note: HYPERPLASIA TGLs = 10-8	Hyperplasia	Cystic, Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9050

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lung  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Gallbladder  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Pituitary Gland  
Thymus

Bone  
Heart  
Intestine Small - Ileum  
Larynx  
Nose  
Spleen  
Thyroid Gland

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Pancreas  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Adrenal Gland  
Brain  
Intest Small  
Intestine Large  
Lymph Node  
Ovary  
Salivary Glands  
Skin  
Uterus

Capsule  
Cecum, Peyers Patch  
Mesenteric

Hyperplasia  
Mineralization  
Hyperplasia  
Hyperplasia  
Cyst  
Infiltration Cellular  
Inflammation  
Dilatation  
Hyperplasia

Multifocal, Mild  
Multifocal, Minimal  
Lymphoid, Mild  
Lymphoid, Marked  
Moderate  
Lymphocyte, Multifocal, Minimal  
Chronic, Minimal  
Moderate  
Cystic, Mild

Note: GROSS NODULES IN JEJUNUM NOT IN ORIGINAL OR  
Note: RECUT SECTIONS OR IN WET TISSUES.

Note: CYST TGLs = 2-8

Note: DILATATION TGLs = 3-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9052

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89052

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Liver	Lung	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

**MISSING**

Parathyroid Gland	Urinary Bladder
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Ovary		Cyst	Mild
Note: CYST	TGLs = 3-8		
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Skin		Inflammation	Chronic, Minimal
Spleen	Capsule	Inflammation	Chronic, Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 2-8		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9053

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89053

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Larynx	Liver	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Lung	Artery	Hypertrophy	Multifocal, Marked
	Perivascular	Infiltration Cellular	Lymphocyte, Marked
Nose	Mucosa	Degeneration	Hyaline, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9055

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Larynx	Liver
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Mild
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Minimal
Lung	Artery	Hypertrophy	Multifocal, Marked
	Perivascular	Infiltration Cellular	Lymphocyte, Moderate
Nose	Mucosa	Degeneration	Hyaline, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Uterus		Hyperplasia	Cystic, Mild

Note: HYPERPLASIA TGLs = 2-8

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9056

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89056

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Kidney  
Nose  
Pituitary Gland  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Larynx  
Ovary  
Skin  
Thymus

Bone  
Heart  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Pancreas  
Spleen  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

**MISSING**

Intestine Small - Duodenum

**OBSERVATIONS**

Adrenal Gland  
Brain  
Intestine Small  
    Note: HYPERPLASIA   TGLs = 3-4  
Liver  
Lung  
  
Salivary Glands  
Uterus  
    Note: HYPERPLASIA   TGLs = 1+2-8

Capsule  
  
Jejunum, Peyers Patch  
  
Artery  
Perivascular

Hyperplasia  
Mineralization  
Hyperplasia  
  
Cytoplasmic Alteration  
Hypertrophy  
Infiltration Cellular  
Infiltration Cellular  
Hyperplasia

Multifocal, Mild  
Multifocal, Minimal  
Lymphoid, Marked  
  
Focal, Marked  
Multifocal, Moderate  
Lymphocyte, Mild  
Lymphocyte, Multifocal, Mild  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9057

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Islets, Pancreatic  
Lung  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Gallbladder  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Pituitary Gland  
Stomach - Glandular

Bone Marrow  
Heart  
Intestine Small - Ileum  
Larynx  
Mammary Gland  
Skin  
Thymus

Brain  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Liver  
Nose  
Spleen  
Thyroid Gland

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland  
Bone  
Intest Small  
Note: PEYER'S PATCH IS NORMAL

Capsule

Hyperplasia  
Fibrous Osteodystrophy

Multifocal, Mild  
Minimal

Liver  
Note: GROSS 1MM NODULE NOT IN ORIGINAL OR 2 RECUTS

Lymph Node  
Note: MEDIASINTAL NODE IS NORMAL

Ovary  
Pancreas  
Salivary Glands  
Urinary Bladder  
Uterus  
Note: HYPERPLASIA TGLs = 3-8

Cyst  
Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular  
Hyperplasia

Moderate  
Lymphocyte, Multifocal, Mild  
Lymphocyte, Multifocal, Mild  
Lymphocyte, Minimal  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9058

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Lung	Artery	Hypertrophy	Multifocal, Mild
	Peribronchiolr	Infiltration Cellular	Lymphocyte, Mild
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Nose	Mucosa	Degeneration	Hyaline, Mild
Ovary		Cyst	Mild
Note: CYST	TGLs = 5-8		
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Uterus		Hyperplasia	Cystic, Minimal
Note: HYPERPLASIA	TGLs = 4-8		

PRIMARY CAUSE OF DEATH

-

Animal Note: OR RECUT SECTION. ENLARGED ILIAC LYMPH NODES ARE NORMAL.

Animal Note: ENLARGED MEDIASTINAL LYMPH NODE NOT IN ORIGINAL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9059

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89059

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Larynx	Liver	Lymph Node - Mesenteric	Mammary Gland
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Lung	Artery	Hypertrophy	Multifocal, Moderate
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Nose	Mucosa	Degeneration	Hyaline, Minimal
Ovary		Abscess	Marked
		Cyst	Marked
Note: CYST	TGLs = 3-8		
Note: ABSCESS	TGLs = 3-8		
Pancreas	Acinus	Atrophy	Marked
		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Note: ATROPHY	TGLs = 2-2		
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 4-8		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9060

TRT#: 6

SEX: Female

DAY ON TEST: 602

DOSE: 12500PPMFEMALE

DISP: Dead

HISTO: 89060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Gallbladder	Heart	Intestine Large - Colon	Intestine Large - Rectum
Islets, Pancreatic	Kidney	Mammary Gland	Pancreas
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Esophagus	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mesenteric
Parathyroid Gland	Salivary Glands	Thymus	Thyroid Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Duodenum
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Liver		Leukemia	
		Necrosis	Focal, Mild
Note: LEUKEMIA TGLs = 2-11			
Lung		Hemorrhage	Focal, Mild
		Leukemia	
Note: HEMORRHAGE TGLs = 3-4			
Nose	Mucosa	Degeneration	Hyaline, Minimal
Ovary		Hemorrhage	Mild
Spleen		Leukemia	

PRIMARY CAUSE OF DEATH

-

Animal Note: OF LEUKEMIC CELLS DIFFICULT

Animal Note: AUTOLYSIS RENDERS IDENTIFICATION

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9061

TRT#: 6

SEX: Female

DAY ON TEST: 718

DOSE: 12500PPMFEMALE

DISP: Dead

HISTO: 89061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Ileum	Islets, Pancreatic	Larynx
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea		

MISSING

Gallbladder

AUTO PRECLUDES DIAG.

Intestine Small - Duodenum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Lung		Alveolar/Bronchiolar Adenoma	
	Artery	Hypertrophy	Multifocal, Mild
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
		Lymphoma Malignant Mixed	
Note: ALV BRON ADEN TGLs = 8-6			
Lymph Node	Axillary	Lymphoma Malignant Mixed	
	Iliac	Lymphoma Malignant Mixed	
	Inguinal	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
		Lymphoma Malignant Mixed	
		Lymphoma Malignant Mixed	

Note: LYMPH MAL MIXD TGLs = 10-15

Note: LYMPH MAL MIXD TGLs = 5+6-12+13

Note: LYMPH MAL MIXD TGLs = 3-11

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9061

TRT#: 6

SEX: Female

DAY ON TEST: 718

DOSE: 12500PPMFEMALE

DISP: Dead

HISTO: 89061

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: LYMPH MAL MIXD TGLs = 7-4

Note: UNSITED LYMPH NODE IS HEPATIC

Note: LYMPH MAL MIXD TGLs = 11-16

Note: LYMPH MAL MIXD TGLs = 12-17

Note: 2ND UNSITED LYMPH NODE IS PRESCAPULAR

Ovary		Lymphoma Malignant Mixed	
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Skin	Subcut Tiss	Fibrosarcoma	
	Subcut Tiss	Fibrosarcoma	
		Inflammation	Chronic, Minimal

Note: FIBROSARC TGLs = 2-11

Note: FIBROSARC TGLs = 4-12

Spleen		Lymphoma Malignant Mixed	
	Note: LYMPH MAL MIXD TGLs = 9-5		
Thymus		Depletion Lymphoid	Mild
		Ectopic Parathyroid Gland	
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus	Endometrium	Polyp Stromal	

Note: POLYP STROMAL TGLs = 13-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9062

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89062

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Larynx	Liver
Lung	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Intestine Large - Rectum	Intestine Small - Duodenum
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Nose	Mucosa	Degeneration	Hyaline, Minimal
Uterus		Hyperplasia	Cystic, Mild

Note: HYPERPLASIA TGLs = 2-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9064

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89064

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Larynx	Liver
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Mild
Intestine Large	Cecum, Peyers Patch	Hyperplasia	Lymphoid, Minimal
Lung	Artery	Hypertrophy	Multifocal, Mild
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Nose	Mucosa	Degeneration	Hyaline, Mild
	Respirat Epith	Hyperplasia	Mild
Skin		Inflammation	Chronic, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Mild

Note: DILATATION TGLs = 2-8

Note: HYPERPLASIA TGLs = 3-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9067

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Liver	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	Multiple
	Artery	Hypertrophy	Multifocal, Mild
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Note: ALV BRON ADEN TGLs = 3+4-6			
Nose	Mucosa	Degeneration	Hyaline, Moderate
Ovary		Cystadenoma	
Note: CYSTADENOMA TGLs = 2-8			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9068

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Small - Jejunum  
Pituitary Gland  
Thyroid Gland

Adrenal Gland - Medulla  
Intestine Large - Colon  
Islets, Pancreatic  
Skin  
Trachea

Bone  
Intestine Large - Rectum  
Larynx  
Spleen

Brain  
Intestine Small - Duodenum  
Parathyroid Gland  
Stomach - Glandular

OBSERVATIONS

Adrenal Gland  
Bone Marrow  
Gallbladder  
Heart  
Intestine Large  
Intestine Small  
Kidney  
Liver  
Lung

Capsule  
  
Cecum  
Ileum, Peyers Patch  
  
Artery  
Perivascular  
Mediastinum

Hyperplasia  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Hypertrophy  
Infiltration Cellular  
Lymphoma Malignant Lymphocytic  
  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic

Multifocal, Minimal  
  
  
  
  
  
  
  
  
  
  
Multifocal, Mild  
Lymphocyte, Mild

Note: GROSS FOCUS NOT IN ORIGINAL OR 2 RECUTS

Lymph Node

Axillary  
Iliac  
Inguinal  
Mandibular  
Mesenteric

Lymphoma Malignant Lymphocytic  
Degeneration  
Hyperplasia  
Cyst  
Lymphoma Malignant Lymphocytic

Hyaline, Minimal  
Minimal  
Marked

Note: LYMPH MAL LYMP TGLs = 8-11

Note: LYMPH MAL LYMP TGLs = 6-12

Mammary Gland

Nose

Mucosa  
Respirat Epith

Ovary

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:01  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 9068

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 12500PPMFEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 89068

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: CYST TGLs = 5-8

Note: LYMPH MAL LYMP TGLs = 5-8

Pancreas		Lymphoma Malignant Lymphocytic	
Salivary Glands		Lymphoma Malignant Lymphocytic	
Stomach	Forestomach	Lymphoma Malignant Lymphocytic	
Thymus		Lymphoma Malignant Lymphocytic	
Urinary Bladder		Lymphoma Malignant Lymphocytic	
Uterus		Hyperplasia	Cystic, Moderate
		Lymphoma Malignant Lymphocytic	

Note: HYPERPLASIA TGLs = 4-8

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9069

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lung
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Trachea

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Liver		Hepatocellular Adenoma	
Note: GROSS FOCUS IN MEDIAN LOBE NOT IN ORIGINAL OR RECUT			
Nose	Mucosa	Degeneration	Hyaline, Minimal
Ovary		Cyst	Moderate
Note: CYST TGLs = 3-8			
Parathyroid Gland		Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Thymus		Hyperplasia	Lymphoid, Moderate
Thyroid Gland	Follicle	Cyst	Multiple, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild

Note: HYPERPLASIA TGLs = 2-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9070

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89070

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Kidney		Hydronephrosis	Minimal
Lung	Artery	Hypertrophy	Multifocal, Mild
	Perivascular	Infiltration Cellular	Lymphocyte, Minimal
Nose	Mucosa	Degeneration	Hyaline, Minimal
Skin		Inflammation	Chronic, Minimal
Uterus		Hyperplasia	Cystic, Minimal

Note: HYPERPLASIA TGLs = 3-8

**PRIMARY CAUSE OF DEATH**

-

Animal Note: "MED.L.N." TRIMMED INTO BLOCK 3. NOT IN SLIDE 3 OR 3.1

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9071

TRT#: 6

SEX: Female

DAY ON TEST: 672

DOSE: 12500PPMFEMALE

DISP: Dead

HISTO: 89071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Esophagus	Heart	Intestine Large - Rectum
Kidney	Lung	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Thyroid Gland	

MISSING

Mammary Gland	Nose	Parathyroid Gland	
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AUTO PRECLUDES DIAG.

Adrenal Gland - Medulla	Bone Marrow	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Pancreas	Stomach - Glandular	Thymus
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Mild
	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Mild
Liver		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 1+7-11+15.1		
Lymph Node	Iliac	Lymphoma Malignant Undifferentiated Cell Type	
	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
	Renal	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 6-15.4		
Note: LYMPH MAL UNDF	TGLs = 5-15.2		
Note: LYMPH MAL UNDF	TGLs = 4-15.5		
Note: LYMPH MAL UNDF	TGLs = 3-1		
Mesentery		Lymphoma Malignant Undifferentiated Cell Type	
Ovary		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 8-5		
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 2-12		
Trachea		Lymphoma Malignant Undifferentiated Cell Type	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:01  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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<b>ANIMAL ID:</b> 9071	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 672
	<b>DOSE:</b> 12500PPMFEMALE	<b>DISP:</b> Dead	<b>HISTO:</b> 89071

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9072

TRT#: 6

SEX: Female

DAY ON TEST: 667

DOSE: 12500PPMFEMALE

DISP: Dead

HISTO: 89072

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Lung  
Ovary  
Spleen  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Lymph Node - Mesenteric  
Pancreas  
Stomach - Forestomach

Bone  
Gallbladder  
Islets, Pancreatic  
Mammary Gland  
Pituitary Gland  
Thymus

Bone Marrow  
Heart  
Kidney  
Nose  
Skin  
Trachea

**MISSING**

Parathyroid Gland

Salivary Glands

Thyroid Gland

**AUTO PRECLUDES DIAG.**

Intestine Large - Cecum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

**OBSERVATIONS**

Adrenal Gland  
Liver  
Stomach  
Note: NECROSIS TGLs = 3-6  
Uterus  
[ Hyperplasia TGLS = 2-5 ]

Capsule  
Glandular

Hyperplasia  
Fatty Change  
Necrosis

Hyperplasia

Multifocal, Mild  
Diffuse, Moderate  
Multifocal, Moderate

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9073

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Ear	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Esophagus

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Minimal
Kidney		Lymphoma Malignant Lymphocytic	
Note: GROSS CYSTS NOT IN ORIGINAL OR RECUT			
Liver			
Note: GROSS FOCUS NO IN ORIGINAL OR RECUT			
Lung	Artery	Hypertrophy	Multifocal, Minimal
	Perivascular	Infiltration Cellular	Lymphocyte, Minimal
Lymph Node	Axillary	Lymphoma Malignant Lymphocytic	
	Iliac	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 9-11			
Note: LYMPH MAL LYMP TGLs = 11-13			
Note: LYMPH MAL LYMP TGLs = 10-12			
Nose	Mucosa	Degeneration	Hyaline, Mild
Ovary		Cyst	Marked
Note: CYST TGLs = 6-8			
Thymus		Lymphoma Malignant Lymphocytic	
Uterus		Hyperplasia	Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05706-01  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
**CAS Number:** 7336-20-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 17:43:01  
**First Dose M/F:** NA / NA  
**Lab:** IRDC

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**ANIMAL ID:** 9073

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 12500PPMFEMALE

**DISP:** Terminal Sacrifice

**HISTO:** 89073

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: HYPERPLASIA TGLs = 5-8

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9074

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89074

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Lung  
Ovary  
Spleen  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Kidney  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Forestomach

Bone  
Gallbladder  
Intestine Small - Duodenum  
Larynx  
Mammary Gland  
Pituitary Gland  
Stomach - Glandular

Bone Marrow  
Heart  
Intestine Small - Ileum  
Liver  
Nose  
Skin  
Thyroid Gland

**OBSERVATIONS**

Adrenal Gland  
Intestine Large  
Intestine Small  
Note: HYPERPLASIA TGLs = 2-4

Capsule  
Cecum, Peyers Patch  
Jejunum, Peyers Patch

Hyperplasia  
Hyperplasia  
Hyperplasia

Multifocal, Mild  
Lymphoid, Minimal  
Lymphoid, Mild

Pancreas  
Salivary Glands  
Thymus  
Note: MAY HAVE MISTAKEN FOR MEDIASTINAL NODE

Infiltration Cellular  
Infiltration Cellular  
Hyperplasia

Lymphocyte, Multifocal, Minimal  
Lymphocyte, Multifocal, Minimal  
Lymphoid, Moderate

Urinary Bladder  
Uterus

Infiltration Cellular  
Hyperplasia  
Mixed Tumor Malignant

Lymphocyte, Minimal  
Cystic, Mild

Note: MIXD TUMOR MAL TGLs = 6-8+8.1  
Note: UNUSUAL TUMOR GLANDULAR & STROMAL ELEMENTS  
Note: APPEARS ANALAGOUS TO ENDOMETRIOSIS  
Note: OPPOSITE HORN-ENDOMETRIAL GLANDS ON SEROSAL SURFACE  
Note: HYPERPLASIA TGLs = 3-8+8.1

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9075

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Larynx	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Gallbladder

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Minimal
Bone Marrow		Atrophy	Focal, Mild
Brain		Mineralization	Multifocal, Minimal
Intest Small			
Note: PEYER'S PATCH WITHIN NORMAL LIMITS			
Liver		Necrosis	Focal, Minimal
Note: GROSS FOCUS NOT IN ORIGINAL OR RECUT			
Lung	Artery	Hypertrophy	Multifocal, Minimal
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Marked
Pituitary Gland			
Note: GROSS ENLARGEMENT NOT IN ORIGINAL OR RECUT			
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Skin		Inflammation	Chronic, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Minimal
Note: HYPERPLASIA TGLs = 4-8			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9076

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Kidney	Larynx	Liver	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Bone	Coccygeal	Fracture	
Note: ORIGINALLY TRIMMED WRONG BONE. COCCYGEAL BONE IN RT 12.1			
Note: FRACTURE TGLs = 2-12.1			
Note: FRACTURE IS PROBABLY A DISLOCATION			
Brain		Mineralization	Multifocal, Minimal
Eye	Cornea	Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 3-11			
Harderian Gland		Adenoma	
Note: ADENOMA TGLs = 4-11			
Intestine Small	Jejunum, Peyers Patch	Hyperplasia	Lymphoid, Minimal
Note: JEJUNUM-"DIVERTICULUM" IS NORMAL SMALL INT.			
Note: HYPERPLASIA TGLs = 6-4			
Lung	Artery	Hypertrophy	Multifocal, Mild
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Moderate
Pituitary Gland	Pars Distalis	Hypertrophy	Focal, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9077

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Bone		Fibrous Osteodystrophy	Mild
Brain		Mineralization	Multifocal, Minimal
Intestine Small	Jejunum, Peyers Patch	Hyperplasia	Lymphoid, Minimal
Note: HYPERPLASIA TGLs = 3-4			
Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Necrosis	Focal, Marked
Note: NECROSIS TGLs = 4-5			
Lymph Node	Iliac	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Lymphoid, Minimal
Note: HYPERPLASIA TGLs = 7-11			
Note: HYPERPLASIA TGLs = 6-12			
Mammary Gland		Hyperplasia	Mild
Nose	Mucosa	Degeneration	Hyaline, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 2-5			
Uterus		Hyperplasia	Cystic, Minimal
Note: HYPERPLASIA TGLs = 5-8			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9078

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Spleen  
Thyroid Gland

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Stomach - Forestomach  
Trachea

Bone  
Heart  
Intestine Small - Duodenum  
Larynx  
Parathyroid Gland  
Stomach - Glandular

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Skin  
Thymus

OBSERVATIONS

Adrenal Gland  
Brain  
Kidney  
Liver  
Lung  
  
Ovary  
Note: CYST      TGLs = 1-8  
Pancreas  
Pituitary Gland  
  
Salivary Glands  
Skeletal Muscle  
Urinary Bladder  
Uterus  
Note: HYPERPLASIA      TGLs = 2-8

Capsule  
  
Peribronchiolr  
Perivascular  
  
Pars Distalis  
Pars Distalis

Hyperplasia  
Mineralization  
Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular  
Cyst  
  
Infiltration Cellular  
Adenoma  
Hyperplasia  
Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular  
Hyperplasia

Multifocal, Moderate  
Multifocal, Mild  
Lymphocyte, Mild  
Lymphocyte, Minimal  
Lymphocyte, Mild  
Lymphocyte, Mild  
Mild  
  
Lymphocyte, Multifocal, Mild  
  
Focal, Minimal  
Lymphocyte, Multifocal, Mild  
Lymphocyte, Mild  
Lymphocyte, Minimal  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9079

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89079

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Larynx	Liver	Lung
Lymph Node - Mesenteric	Ovary	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Intestine Small - Duodenum	Mammary Gland
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**OBSERVATIONS**

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Bone Marrow		Atrophy	Focal, Mild
Brain		Mineralization	Multifocal, Minimal
Lymph Node	Iliac	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 5-12			
Note: MEDIASTINAL NODE NOT FOUND IN WET TISSUE			
Nose	Mucosa	Degeneration	Hyaline, Mild
	Respirat Epith	Hyperplasia	Minimal
Pancreas		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Thymus		Hyperplasia	Lymphoid, Mild
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 4-8			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt  
CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9080

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Kidney  
Nose  
Stomach - Glandular

Adrenal Gland - Medulla  
Heart  
Intestine Small - Ileum  
Larynx  
Pituitary Gland  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Skin  
Trachea

Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Mammary Gland  
Stomach - Forestomach

MISSING

Gallbladder

Intestine Small - Duodenum

Parathyroid Gland

Thymus

OBSERVATIONS

Adrenal Gland  
Bone  
Liver

Capsule

Hyperplasia  
Fibrous Osteodystrophy  
Infiltration Cellular

Multifocal, Mild  
Mild  
Lymphocyte, Mild

Note: GROSS RED FOCI NOT IN ORIGINAL OR RETRIM SECTION

Lung

Perivascular  
Mediastinum

Infiltration Cellular  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic

Lymphocyte, Mild

Note: LYMPH MAL LYMP TGLs = 5-11+11.1

Ovary

Cyst

Minimal

Pancreas

Infiltration Cellular

Lymphocyte, Multifocal, Minimal

Salivary Glands

Infiltration Cellular

Lymphocyte, Multifocal, Mild

Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic

Spleen

Note: LYMPH MAL LYMP TGLs = 1-5

Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

Uterus

Hyperplasia

Cystic, Mild

Note: HYPERPLASIA TGLs = 3-8

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05706-01

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Diamino-2,2'-stilbenedisulfonic acid, disodium salt

CAS Number: 7336-20-1

Date Report Requested: 10/22/2014

Time Report Requested: 17:43:01

First Dose M/F: NA / NA

Lab: IRDC

ANIMAL ID: 9082

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 12500PPMFEMALE

DISP: Terminal Sacrifice

HISTO: 89082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Liver	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

OBSERVATIONS

Adrenal Gland	Capsule	Hyperplasia	Multifocal, Mild
Brain		Mineralization	Multifocal, Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Artery	Hypertrophy	Multifocal, Moderate
	Peribronchiolr	Infiltration Cellular	Lymphocyte, Moderate
	Perivascular	Infiltration Cellular	Lymphocyte, Marked
Note: ALV BRON ADEN	TGLs = 2-6+6+6.1+6.2		
Ovary		Cyst	Mild
Note: CYST	TGLs = 3-8		
Salivary Glands		Infiltration Cellular	Lymphocyte, Multifocal, Minimal
Skin		Inflammation	Chronic, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 4-8		

PRIMARY CAUSE OF DEATH

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\*\* END OF REPORT \*\*

\* PROTOCOL REQUIRED TISSUE