

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

<b>C Number:</b>	C55890B
<b>Lock Date:</b>	Not Entered.
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	04/05/1991

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861721

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Islets, Pancreatic	Lung
Lymph Node - Mandibular	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			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Intestine Small	Jejunum	Adenocarcinoma	
Note: ADENOCARC TGLs = 2-11			
Kidney		Nephropathy	Minimal
Liver		Angiectasis	Moderate
		Hepatocellular Adenoma	
Note: ANGIECTASIS TGLs = 3-5			
Note: HEPATOCLR ADEN TGLs = 1-5			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861722

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 1-5,11,12			
Lymph Node			
Note: MESENTERIC LYMPH NODE WITHIN NORMAL LIMITS.			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Mild
Note: HYPERPLASIA TGLs = 3-14			
Note: INFLAMMATION TGLs = 3-14			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861723

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**OBSERVATIONS**

Kidney	Nephropathy	Mild
Liver	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 1-11		
Note: [ HEPATOCLR ADEN ] TGLs = 3-12,4-13		
Testes	Atrophy	Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 11
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Gavage Death	<b>HISTO:</b> 861724

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	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	

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**MISSING**

Gallbladder	Mammary Gland
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**OBSERVATIONS**

Lung	Edema	Minimal
Note: EDEMA	TGLs = 1-3	

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861725

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lymph Node - Mandibular	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			

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**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Hepatocellular Adenoma	
Note: HEPATOCLR ADEN   TGLs = 1-5		
Lung	Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN    TGLs = 2-11,1		

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**PRIMARY CAUSE OF DEATH**           -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 7                      **TRT#:** 1                      **SEX:** Male                      **DAY ON TEST:** 729  
**DOSE:** VEHICLE CONTROL                      **DISP:** Terminal Sacrifice                      **HISTO:** 861727

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Seminal Vesicle	Skin	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	

**MISSING**

Pituitary Gland

**OBSERVATIONS**

Brain		Infiltration Cellular	Lymphocyte, Mild
Heart		Cardiomyopathy	Mild
Intestine Small	Ileum	Hyperplasia	Lymphoid, Mild
Kidney		Infiltration Cellular	Lymphocyte, Moderate
		Nephropathy	Mild
Liver		Eosinophilic Focus	Marked
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 4-11			
Note: [ EOSIN FOCUS ] TGLs = 5-5			
Prostate		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Spleen		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 3-5			
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Note: INFILTRAT CELL TGLs = 2-8			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 449
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Dead	<b>HISTO:</b> 861728

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Kidney	Lung	Lymph Node - Mesenteric	Nose
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

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**MISSING**

Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
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**AUTO PRECLUDES DIAG.**

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Pancreas	Thyroid Gland		

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**OBSERVATIONS**

Liver	Hepatocellular Adenoma
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Note: [ HEPATOCLR ADEN ] TGLs = 1-2

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 9	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861729

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Mixed Cell Focus	Mild
Note: MIXED CL FOCUS	TGLs = 3-5		
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 1-11		
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 10	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861730

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lung
Lymph Node - Mandibular	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			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney	Renal Tubule	Hyperplasia	Cystic, Minimal
		Nephropathy	Minimal
Liver		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 11	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861731

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-5		
Pancreas	Atrophy	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 12	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861732

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3-5			
Lymph Node	Mesenteric	Congestion	Mild
Note: CONGESTION TGLs = 2-7			
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 1-2			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 14	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861734

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Liver	Lung	Lymph Node - Mandibular
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			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Adrenal Gland	Cortex	Hypertrophy	Mild
Brain		Infiltration Cellular	Lymphocyte, Minimal
Epididymis		Infiltration Cellular	Lymphocyte, Mild
Kidney		Nephropathy	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 15	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861735

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland

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**INSUFFICIENT TISSUE**

Intestine Large - Rectum	Thymus
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**OBSERVATIONS**

Kidney		Nephropathy	Marked
Liver		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	Multiple
Note: [ HEPATOCLR ADEN ] TGLs = 2,3-5			
Note: [ EOSIN FOCUS ] TGLs = 4-11			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 1-12			
Lymph Node	Mesenteric	Congestion	Moderate
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
	Forestomach	Inflammation	Chronic, Mild
Note: INFLAMMATION TGLs = 5-4			
Note: HYPERPLASIA TGLs = 5-4			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 16	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861736

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lacrimal Gland
Liver	Lymph Node - Mandibular	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	Zymbal's Gland	

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Adrenal Gland	Cortex	Hyperplasia	Mild
	Cortex	Hypertrophy	Mild
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 1-11		
Kidney		Nephropathy	Minimal
Lung		Inflammation	Chronic Active, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 17	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861737

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Gland - Cortex	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 - Mandibular	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

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**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Mild
Epididymis		Granuloma Sperm	Marked
Kidney	Cortex	Cyst	Mild
		Nephropathy	Minimal
Pituitary Gland	Pars Distalis	Cyst	Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 18

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** VEHICLE CONTROL

**DISP:** Interval Sacrifice

**HISTO:** 861738

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Pituitary Gland  
Spleen  
Thymus

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Nose  
Prostate  
Stomach - Forestomach  
Thyroid Gland

Bone  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Pancreas  
Salivary Glands  
Stomach - Glandular  
Trachea

Bone Marrow  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Parathyroid Gland  
Seminal Vesicle  
Testes  
Urinary Bladder

**MISSING**

Mammary Gland

**OBSERVATIONS**

Skin

Alopecia

Mild

Note: ALOPECIA TGLs = 1-8

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 19

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** VEHICLE CONTROL

**DISP:** Interval Sacrifice

**HISTO:** 861739

**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

Lung

Lymph Node - Mandibular

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**

Liver

Hepatocellular Adenoma

[ Hepatocellular Adenoma TGLS = 1-2 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 20                      **TRT#:** 1                      **SEX:** Male                      **DAY ON TEST:** 690  
**DOSE:** VEHICLE CONTROL                      **DISP:** Moribund                      **HISTO:** 861740

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone Marrow	Brain	Esophagus	Gallbladder
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Cortex	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Medulla	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Bone		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC    TGLs = 5,6-11			
Epididymis		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC    TGLs = 8-4			
Intestine Small	Ileum	Adenocarcinoma	
	Jejunum	Sarcoma	
Note: ADENOCARC        TGLs = 10-19			
Note: [ SARCOMA        ] TGLs = 9-20			
Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC    TGLs = 3-8,18			
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC    TGLs = 1,7-5			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC    TGLs = 4-4,13,14,15,16,17			
Pancreas		Atrophy	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Skeletal Muscle		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC    TGLs = 2-11			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 20

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 690

**DOSE:** VEHICLE CONTROL

**DISP:** Moribund

**HISTO:** 861740

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thymus

Alveolar/Bronchiolar Carcinoma

Metastatic (Lung)

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

---

<b>ANIMAL ID:</b> 21	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861741

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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 - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	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		

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Mild
Intestine Large	Cecum	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 2-12			
Kidney		Nephropathy	Minimal
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-11			

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 22	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 456
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Dead	<b>HISTO:</b> 861742

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Heart	Islets, Pancreatic
Kidney	Lung	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Gallbladder	Lymph Node - Mandibular	Mammary Gland	
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**AUTO PRECLUDES DIAG.**

Brain	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Stomach - Glandular

---

**OBSERVATIONS**

Liver		Hemangiosarcoma	Multiple
		Hemorrhage	Moderate
		Hepatocellular Adenoma	
Note: HEMORRHAGE TGLs = 2-2			
Note: [ HEPATOCLR ADEN ] TGLs = 1-2+12			
Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 3-2			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 23	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861743

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

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**INSUFFICIENT TISSUE**

Thymus

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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 2-6,12			
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-11			

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 24	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861744

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland	Pituitary Gland
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**INSUFFICIENT TISSUE**

Intestine Large - Rectum

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**OBSERVATIONS**

Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 5-14		
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: [ HEPATOCLR ADEN ]	TGLs = 1-5+11		
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION	TGLs = 4-13		
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILOMA SQUA	TGLs = 3-12		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 25	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 455
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Interval Sacrifice	<b>HISTO:</b> 861745

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lung	Lymph Node - Mandibular	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	Pituitary Gland
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**OBSERVATIONS**

Liver		Fatty Change	Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS	TGLs = 1-12		

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

---

<b>ANIMAL ID:</b> 26	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861746

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Mammary Gland	Parathyroid Gland
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**INSUFFICIENT TISSUE**

Thymus

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**OBSERVATIONS**

Kidney		Nephropathy	Mild
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-5			
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 3-12			
Skin		Hyperkeratosis	Moderate
		Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 1-11			
Note: HYPERKERATOSIS TGLs = 1-11			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 4-5			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

---

<b>ANIMAL ID:</b> 27	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861747

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
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 - Mandibular	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

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Harderian Gland	Adenoma	
Note: ADENOMA TGLs = 2-11		
Kidney	Nephropathy	Minimal
Liver	Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3-5		

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**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 28	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861748

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Islets, Pancreatic	Lung
Lymph Node - Mandibular	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			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Intestine Small Note: ADENOCARC TGLs = 2-12	Jejunum	Adenocarcinoma	
Kidney		Nephropathy	Mild
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3,4-5			
Preputial Gland Note: DILATATION TGLs = 1-11	Duct	Dilatation	Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

---

<b>ANIMAL ID:</b> 29	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861749

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

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**MISSING**

Mammary Gland

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**INSUFFICIENT TISSUE**

Thymus

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**OBSERVATIONS**

Bone		Hyperostosis	Mild
Note: HYPEROSTOSIS	TGLs = 2-9		
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR ADEN	TGLs = 3-5		
Note: HEPATOCLR CARC	TGLs = 1-11		
Lymph Node			
Note: MESENTERIC LYMPH NODE WITHIN NORMAL LIMITS.			
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Mild
Note: INFLAMMATION	TGLs = 5-12		
Note: HYPERPLASIA	TGLs = 5-12		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 30	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861750

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Heart		Hemangiosarcoma	Metastatic (Spleen)
Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 2-5		
Spleen		Hemangiosarcoma	
Note: HEMANGIOSARC	TGLs = 1-5		
Stomach	Forestomach	Hyperplasia	Squamous, Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 32	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 456
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Interval Sacrifice	<b>HISTO:</b> 861752

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lymph Node - Mandibular	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			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney	Hydronephrosis	Moderate
Note: HYDRONEPHROSIS TGLs = 1-1	Infiltration Cellular	Lymphocyte, Moderate
Liver	Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 2-2 ]		
Lung	Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 4-12		
Skin	Alopecia	Minimal
Note: ALOPECIA TGLs = 3-8		

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 33	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861753

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

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**MISSING**

Mammary Gland	Thymus
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**OBSERVATIONS**

Kidney		Nephropathy	Mild
Liver		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	Multiple
Note: [ HEPATOCLR ADEN ] TGLs = 2,3,4,5,6-5+11+12			
Pancreas		Atrophy	Moderate
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Note: HYPERPLASIA TGLs = 7-4			

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 34

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 861754

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Seminal Vesicle  
Testes  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thymus

Bone  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pituitary Gland  
Stomach - Forestomach  
Thyroid Gland

Bone Marrow  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Prostate  
Stomach - Glandular  
Trachea

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Harderian Gland  
Note: ADENOMA TGLs = 3-12  
Kidney  
Liver  
  
Note: HEPATOCLR ADEN TGLs = 1-5  
Note: HEMANGIOSARC TGLs = 2-5  
Note: EOSIN FOCUS TGLs = 4-11  
Salivary Glands  
Spleen  
Note: CONGESTION TGLs = 6-5

Adenoma  
  
Nephropathy  
Eosinophilic Focus  
Hemangiosarcoma  
Hepatocellular Adenoma

Minimal  
Mild

Infiltration Cellular  
Congestion

Lymphocyte, Minimal  
Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 35      **TRT#:** 1      **SEX:** Male      **DAY ON TEST:** 528  
**DOSE:** VEHICLE CONTROL      **DISP:** Moribund      **HISTO:** 861755

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Testes
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland

**INSUFFICIENT TISSUE**

Thymus

**OBSERVATIONS**

Adrenal Gland	Capsule	Inflammation	Suppurative, Moderate
Kidney	Cortex	Cyst	Minimal
Liver		Basophilic Focus	Minimal
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-2			
Mesentery	Fat	Inflammation	Suppurative, Mild
Note: INFLAMMATION TGLs = 1-12			
Spleen		Hyperplasia	Lymphoid, Mild
Stomach	Serosa	Inflammation	Suppurative, Marked
	Forestomach	Squamous Cell Carcinoma	
	Glandular	Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site)
Note: [ SQUAM CEL CARC ] TGLs = 3-6			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:41  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 36	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 456
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Interval Sacrifice	<b>HISTO:</b> 861756

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lung	Lymph Node - Mandibular	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	

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**MISSING**

Mammary Gland	Mesentery
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**OBSERVATIONS**

Liver	Clear Cell Focus	Mild
	Fatty Change	Mild
Note: CLEAR CL FOCUS TGLs = 2-12		
Note: FATTY CHANGE TGLs = 1-2		
Salivary Glands	Infiltration Cellular	Lymphocyte, Moderate

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 37	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861757

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Clear Cell Focus	Mild
Note: CLEAR CL FOCUS TGLs = 2-5			
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-11			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

---

<b>ANIMAL ID:</b> 38	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861758

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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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

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**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Mild
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3-5			
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: [ ALV BRON ADEN ] TGLs = 4-12,5-13			
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-11			
Stomach	Forestomach	Cyst Epithelial Inclusion	
Note: CYST EPITH INC TGLs = 6-14			
Testes	Interstit Cell	Adenoma	
Urinary Bladder		Dilatation	Moderate
Note: DILATATION TGLs = 2-15			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 39	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861759

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-5		
Note: HEPATOCLR ADEN TGLs = 4-5,5-11		
Pancreas	Atrophy	Marked
	Cyst	Marked
Note: CYST TGLs = 2-2		
Spleen	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 1-5		

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 40	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861760

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Mammary Gland

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**INSUFFICIENT TISSUE**

Parathyroid Gland

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**OBSERVATIONS**

Kidney		Nephropathy	Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 2-12			
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 41	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861761

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lymph Node - Mandibular	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			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney	Renal Tubule	Hyperplasia Nephropathy	Cystic, Minimal Mild
Liver		Hepatocellular Adenoma	Multiple
Note: [ HEPATOCLR ADEN ] TGLs = 2,4-5,5-11			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-12			
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-13			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

---

<b>ANIMAL ID:</b> 42	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 658
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Dead	<b>HISTO:</b> 861762

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland	Bone	Esophagus	Heart
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Parathyroid Gland	Prostate	Salivary Glands
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Mammary Gland	Pituitary Gland
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**AUTO PRECLUDES DIAG.**

Bone Marrow	Brain	Epididymis	Gallbladder
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Pancreas	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus		

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**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Hepatocellular Carcinoma	

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Note: HEPATOCLR CARC TGLs = 1-11

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

---

<b>ANIMAL ID:</b> 43	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861763

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Heart	Atrium	Thrombosis	Moderate
Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Kidney		Nephropathy	Mild
Liver		Hepatocellular Adenoma	
Note: [ HEPATOCLR ADEN ] TGLs = 2-5			
Spleen		Developmental Malformation	
Note: DEVELOP MALFOR TGLs = 1-5			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 44	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 591
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Moribund	<b>HISTO:</b> 861764

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Lymph Node - Mandibular	Mammary Gland
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**INSUFFICIENT TISSUE**

Thymus

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**OBSERVATIONS**

Kidney		Necrosis	Coagulative, Mild
		Nephropathy	Mild
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-5			
Lymph Node	Mesenteric	Congestion	Moderate
Note: CONGESTION TGLs = 3-7			
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Mild
Note: INFLAMMATION TGLs = 4-11			
Note: HYPERPLASIA TGLs = 4-11			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 47	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861767

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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 - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Lymph Node	Mesenteric	Congestion	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 48	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 456
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Interval Sacrifice	<b>HISTO:</b> 861768

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

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**MISSING**

Parathyroid Gland

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**OBSERVATIONS**

Lung	Alveolar Epith	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 49	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861769

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland

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**INSUFFICIENT TISSUE**

Intestine Large - Rectum

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**OBSERVATIONS**

Adrenal Gland	Cortex	Hyperplasia	Minimal
Kidney		Infiltration Cellular	Lymphocyte, Minimal
		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 1-12,2-5,3-11			
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 5-14			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 4-13			

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 50	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 455
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Interval Sacrifice	<b>HISTO:</b> 861770

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Lymph Node - Mandibular	Mammary Gland
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**OBSERVATIONS**

Kidney	Infiltration Cellular	Lymphocyte, Mild
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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 51	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861771

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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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Mammary Gland

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**INSUFFICIENT TISSUE**

Thymus

---

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Mild
		Hepatocellular Carcinoma	
Note: [ EOSIN FOCUS ] TGLs = 2-5			
Note: HEPATOCLR CARC TGLs = 1-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
Note: HYPERPLASIA TGLs = 3-12			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 52	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861772

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Islets, Pancreatic	Lung
Lymph Node - Mandibular	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			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Intestine Small	Jejunum	Adenoma	
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 53	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861773

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Liver
Lymph Node - Mandibular	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		

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Adrenal Gland	Cortex	Hyperplasia	Mild
	Cortex	Hypertrophy	Mild
Kidney		Nephropathy	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Preputial Gland		Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 1-11		
Tissue NOS		Necrosis	Marked
Note: NECROSIS	TGLs = 2-12		

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PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 54

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 861774

**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	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	

**MISSING**

Mammary Gland

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney		Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR ADEN	TGLs = 6-12		
Note: HEPATOCLR CARC	TGLs = 5-5		
Note: EXTENSIVE NECROSIS OF ADENOMA,	TGL7		
Note: HEPATOCLR ADEN	TGLs = 7-11		
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC	TGLs = 2-14		
Note: HEPATOCLR CARC	TGLs = 3-15		
Lymph Node	Mesenteric	Congestion	Mild
Note: CONGESTION	TGLs = 4-7		
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Skin		Alopecia	Mild
Note: ALOPECIA	TGLs = 1-13		
Spleen		Hyperplasia	Lymphoid, Mild
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Note: HYPERPLASIA	TGLs = 8-16		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 54

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 861774

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 55

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** VEHICLE CONTROL

**DISP:** Interval Sacrifice

**HISTO:** 861775

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Heart  
Intestine Small - Duodenum  
Kidney  
Nose  
Prostate  
Spleen  
Thymus

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Pancreas  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Bone  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Glandular  
Trachea

Bone Marrow  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pituitary Gland  
Skin  
Testes  
Urinary Bladder

**MISSING**

Mammary Gland

**OBSERVATIONS**

Liver Hepatocellular Adenoma

[ Hepatocellular Adenoma TGLS = 2-2 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 57

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** VEHICLE CONTROL

**DISP:** Interval Sacrifice

**HISTO:** 861777

**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 - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland

**OBSERVATIONS**

Kidney		Infiltration Cellular	Lymphocyte, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS	TGLs = 1-12		
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Skin		Alopecia	Moderate
Note: ALOPECIA	TGLs = 2-8		
Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 58	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861778

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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 - Mandibular	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

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Adrenal Gland	Spindle Cell	Adenoma	
Kidney		Nephropathy	Minimal
Preputial Gland	Duct	Dilatation	Marked

Note: DILATATION TGLs = 1-11

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 61	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861781

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Mammary Gland

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**INSUFFICIENT TISSUE**

Parathyroid Gland

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**OBSERVATIONS**

Epididymis		Inflammation	Chronic, Mild
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Hyperplasia	Squamous, Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 62

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** VEHICLE CONTROL

**DISP:** Interval Sacrifice

**HISTO:** 861782

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Pituitary Gland  
Skin  
Testes  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Nose  
Prostate  
Spleen  
Thymus

Bone  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Pancreas  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Bone Marrow  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Glandular  
Trachea

**MISSING**

Mammary Gland

**PRIMARY CAUSE OF DEATH** -

Animal Note: NO MICRO LESIONS.

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 64	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 696
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Dead	<b>HISTO:</b> 861784

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Lymph Node - Mesenteric	Parathyroid Gland
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**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Basophilic Focus	Mild
	Vacuolization Cytoplasmic	Minimal
Note: BASOPH FOCUS TGLs = 4-12		
Note: VACUOLIZ CYTO TGLs = 2-5		
Lung	Congestion	Minimal
Seminal Vesicle	Dilatation	Moderate
Note: DILATATION TGLs = 5-8		
Spleen	Developmental Malformation	
Note: DEVELOP MALFOR TGLs = 1-5		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 65

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 861785

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Heart  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Skin  
Testes  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pituitary Gland  
Spleen  
Thymus

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Prostate  
Stomach - Forestomach  
Thyroid Gland

Bone Marrow  
Gallbladder  
Intestine Small - Duodenum  
Lung  
Pancreas  
Seminal Vesicle  
Stomach - Glandular  
Trachea

**MISSING**

Mammary Gland

**OBSERVATIONS**

Intestine Large  
Kidney  
Liver

Cecum

Hyperplasia  
Nephropathy  
Hepatocellular Adenoma

Lymphoid, Moderate  
Minimal

Note: HEPATOCLR ADEN TGLs = 1-5

Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 66	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861786

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	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	

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney	Nephropathy	Mild
Liver	Hepatocellular Carcinoma	

Note: HEPATOCLR CARC TGLs = 1-5

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 67	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861787

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	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		

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**MISSING**

Gallbladder	Mammary Gland
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**OBSERVATIONS**

Eye		Cataract	Mild
Note: CATARACT	TGLs = 1-11		
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 2-11		
Kidney		Nephropathy	Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 68

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 861788

**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	Lung
Lymph Node - Mandibular	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**

Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Kidney		Nephropathy	Minimal
Liver		Clear Cell Focus	Minimal
		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple

Note: CLEAR CL FOCUS TGLs = 3-11

Note: HEPATOCLR ADEN TGLs = 1,2-5

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

---

<b>ANIMAL ID:</b> 70	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861790

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
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

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
	Rectum	Hyperplasia	Lymphoid, Mild
Kidney		Nephropathy	Minimal
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2,3-5			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05091-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 3,4-Dihydrocoumarin

CAS Number: 119-84-6

Date Report Requested: 10/19/2014

Time Report Requested: 13:36:42

First Dose M/F: NA / NA

Lab: AM BIO

**ANIMAL ID:** 71

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 107

**DOSE:** 200MG/KG

**DISP:** Gavage Death

**HISTO:** 861791

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pituitary Gland  
Skin  
Testes  
Urinary Bladder

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

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

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

**MISSING**

Mammary Gland

Parathyroid Gland

**OBSERVATIONS**

Gallbladder  
Liver  
Lung

Hemorrhage  
Necrosis  
Congestion

Moderate  
Moderate  
Minimal

Note: CONGESTION TGLs = 2-3

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 72	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861792

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Nephropathy	Minimal
Liver		Angiectasis	Moderate
		Clear Cell Focus	Mild
Note: ANGIECTASIS TGLs = 2-12			
Note: CLEAR CL FOCUS TGLs = 4-12			
Lung		Hyperplasia	Macrophage, Moderate
Note: HYPERPLASIA TGLs = 3-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Skin		Alopecia	Mild
Note: ALOPECIA TGLs = 1-13			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

---

**ANIMAL ID:** 73

**TRT#:** 2  
**DOSE:** 200MG/KG

**SEX:** Male  
**DISP:** Interval Sacrifice

**DAY ON TEST:** 455  
**HISTO:** 861793

---

**OBSERVATIONS**

Lung  
Note: [ HYPERPLASIA ] TGLs = 2-12

Alveolar Epith

Hyperplasia

Moderate

Skin  
Note: ALOPECIA TGLs = 1-8

Alopecia

Moderate

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PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

---

**ANIMAL ID:** 74

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 200MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 861794

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**OBSERVATIONS**

Lung

Alveolar/Bronchiolar Adenoma

Note: ALV BRON ADEN TGLs = 2-13

Preputial Gland

Duct

Dilatation

Marked

Note: DILATATION TGLs = 1-12

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 75	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861795

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Epididymis		Squamous Cell Carcinoma	Metastatic (Stomach)
Intestine Small	Jejunum	Hyperplasia	Lymphoid, Marked
Note: HYPERPLASIA TGLs = 1-11			
Kidney		Nephropathy	Minimal
		Squamous Cell Carcinoma	Metastatic (Stomach)
Lymph Node	Bronchial	Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site)
Stomach	Forestomach	Squamous Cell Carcinoma	
	Glandular	Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site)

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 76	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861796

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland	Parathyroid Gland
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**INSUFFICIENT TISSUE**

Gallbladder

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**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Fatty Change	Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

---

<b>ANIMAL ID:</b> 78	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861798

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
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			

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**MISSING**

Lymph Node - Mandibular	Mammary Gland
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**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Eosinophilic Focus	Mild
Preputial Gland	Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 1-11		
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 79	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861799

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Adrenal Gland	Cortex	Hypertrophy	Minimal
Kidney		Nephropathy	Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Hyperplasia	Squamous, Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 80

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** 200MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 861800

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**OBSERVATIONS**

Liver Hepatocellular Adenoma

Note: [ HEPATOCLR ADEN ] TGLs = 2-2

Preputial Gland

Duct

Dilatation

Marked

Note: DILATATION TGLs = 1-12

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 82

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861802

**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
Lymph Node - Mandibular	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**

Kidney	Nephropathy	Mild
Liver	Eosinophilic Focus	Moderate
Note: [ EOSIN FOCUS ] TGLs = 2-12		
Lung	Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 1-11	Hyperplasia	Macrophage, Mild
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 84	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861804

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lung	Lymph Node - Mandibular
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			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	

Note: HEPATOCLR ADEN TGLs = 1-5

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 85

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861805

**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	Lung
Lymph Node - Mandibular	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**

Heart	Atrium	Thrombosis	Marked
Note: THROMBUS	TGLs = 1-4		
Kidney		Nephropathy	Mild
Liver		Hepatocellular Adenoma	
		Necrosis	Minimal
Note: LIVER-BOTH MASSES ARE SAME ADENOMA			
Note: HEPATOCLR ADEN	TGLs = 3-5		
Salivary Glands		Infiltration Cellular	Lymphocyte, Moderate
Tissue NOS		Necrosis	Marked
Note: NECROSIS	TGLs = 2-11		
Note: TGL-2 (TNOS) MAY BE A LIVER TUMOR			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 87	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 723
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 861807

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Lymph Node - Mesenteric	Mammary Gland
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**AUTO PRECLUDES DIAG.**

Gallbladder	Intestine Large - Colon
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**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Angiectasis	Mild
	Eosinophilic Focus	Mild
	Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 4-5		
Lung	Alveolar/Bronchiolar Carcinoma	Multiple
	Emphysema	Moderate
Note: ALV BRON CARC TGLs = 1,3-11		
Note: EMPHYSEMA TGLs = 2-11		
Stomach	Forestomach	Squamous, Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 88

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** 200MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 861808

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**OBSERVATIONS**

Harderian Gland

Adenoma

Note: ADENOMA TGLs = 1-12

Liver

Fatty Change

Note: FATTY CHANGE TGLs = 2-2.1

Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 90	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861810

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lymph Node - Mandibular	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			

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**MISSING**

Mammary Gland	Pituitary Gland
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**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Angiectasis	Moderate
	Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-5		
Note: ANGIECTASIS TGLs = 2-5		
Lung	Alveolar/Bronchiolar Adenoma	Multiple

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 91	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861811

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lung
Lymph Node - Mesenteric	Nose	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Minimal
Liver		Clear Cell Focus	Moderate
		Hepatocellular Adenoma	
Note: CLEAR CL FOCUS TGLs = 5-5,6-12			
Note: [ HEPATOCLR ADEN ] TGLs = 3,4-5			
Note: [ HEPATOCLR ADEN ] TGLs = 2-11			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Pancreas		Atrophy	Marked
		Cyst	Marked
Note: CYST TGLs = 1-2			
Stomach	Forestomach	Hyperplasia	Squamous, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 92	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861812

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lymph Node - Mandibular	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			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney	Renal Tubule	Hyperplasia Nephropathy Hepatocellular Adenoma	Cystic, Minimal Minimal
Liver			
Note: [ HEPATOCLR ADEN ] TGLs = 1-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 2-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 93	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861813

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

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**OBSERVATIONS**

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney	Cortex	Cyst	Mild
		Nephropathy	Minimal

Note: CYST      TGLs = 1-8

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**PRIMARY CAUSE OF DEATH**      -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 95	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861815

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lymph Node - Mandibular	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		

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney	Renal Tubule	Carcinoma	
		Nephropathy	Minimal
Note: [ CARCINOMA ] TGLs = 1-11			
Lung		Alveolar/Bronchiolar Adenoma	
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 96	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861816

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Adrenal Gland	Cortex	Hypertrophy	Moderate
Islets, Pancreatic		Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 1-11			
Kidney		Nephropathy	Mild
Liver		Eosinophilic Focus	Moderate
Note: HEPATOCLR ADEN TGLs = 2-5			
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mesenteric	Congestion	Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 97	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861817

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lymph Node - Mandibular	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		

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**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Moderate
Preputial Gland	Duct	Dilatation	Moderate

Note: DILATATION TGLs = 1-11

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 98	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861818

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Lymphocyte, Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
Note: ALV BRON ADEN	TGLs = 1-11		
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 99	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861819

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lacrimal Gland	Lung	Lymph Node - Mandibular	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	

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 8-11		
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	Mild
Note: CLEAR CL FOCUS	TGLs = 5-5		
Note: [ MIXED CL FOCUS ]	TGLs = 4-5		
Note: [ HEPATOCLR ADEN ]	TGLs = 3,6-5+12		
Preputial Gland		Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 1-13		
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 100

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861820

**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
Lung	Lymph Node - Mandibular	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**

Kidney	Nephropathy	Minimal
Liver	Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-5		
Mesentery	Hemangioma	
Note: HEMANGIOMA TGLs = 1-11		
Salivary Glands	Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 101

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861821

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Cortex	Hypertrophy	Minimal
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	

Note: HEPATOCLR CARC TGLs = 1-5

Note: [ HEPATOCLR ADEN ] TGLs = 2,3-5+11

Stomach	Glandular	Cyst	Mild
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 102

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861822

**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
Lung	Lymph Node - Mandibular	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**

Kidney	Nephropathy	Minimal
Liver	Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-5		
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 104

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861824

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Heart  
Intestine Small - Duodenum  
Liver  
Pancreas  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Glandular  
Trachea

Bone  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pituitary Gland  
Skin  
Testes  
Urinary Bladder

Bone Marrow  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Prostate  
Spleen  
Thymus

**MISSING**

Mammary Gland

**OBSERVATIONS**

Kidney Nephropathy  
Lung Alveolar/Bronchiolar Carcinoma

Minimal

Note: [ ALV BRON CARC ] TGLs = 1-6+11

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 105

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861825

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland

**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Clear Cell Focus	Mild
	Necrosis	Moderate
Pancreas	Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 106      **TRT#:** 2      **SEX:** Male      **DAY ON TEST:** 718  
**DOSE:** 200MG/KG      **DISP:** Moribund      **HISTO:** 861826

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Gallbladder	Mammary Gland
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**INSUFFICIENT TISSUE**

Thymus

**OBSERVATIONS**

Eye		Cataract	Moderate
Note: CATARACT	TGLs = 4-11		
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 5-11		
Kidney		Infiltration Cellular	Lymphocyte, Moderate
		Nephropathy	Mild
		Hepatocellular Carcinoma	
Liver			
Note: HEPATOCLR CARC	TGLs = 2,3-5		
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION	TGLs = 1-13		
Prostate		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Minimal
Note: HYPERPLASIA	TGLs = 6-12		
Note: INFLAMMATION	TGLs = 6-12		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 106

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 718

**DOSE:** 200MG/KG

**DISP:** Moribund

**HISTO:** 861826

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 108

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861828

**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
Lymph Node - Mandibular	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**

Epididymis	Mineralization	Mild
Kidney	Nephropathy	Minimal
Lung	Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 1-11		
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 109

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861829

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland

**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Angiectasis	Moderate
Note: ANGIECTASIS TGLs = 1-11		
Pancreas	Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal
Spleen	Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 111

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861831

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	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	Lung	Lymph Node - Mesenteric
Nose	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Mild
Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Kidney		Nephropathy	Mild
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-11			
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-12			
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 112

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 449

**DOSE:** 200MG/KG

**DISP:** Dead

**HISTO:** 861832

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Nose

Adrenal Gland - Medulla  
Pancreas

Esophagus  
Salivary Glands

Islets, Pancreatic  
Trachea

**MISSING**

Lymph Node - Mandibular  
Prostate

Mammary Gland

Parathyroid Gland

Pituitary Gland

**AUTO PRECLUDES DIAG.**

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Testes

Epididymis  
Intestine Large - Rectum  
Seminal Vesicle  
Thyroid Gland

Gallbladder  
Intestine Small - Duodenum  
Stomach - Forestomach  
Urinary Bladder

Intestine Large - Cecum  
Intestine Small - Ileum  
Stomach - Glandular

**OBSERVATIONS**

Bone		Inflammation	Suppurative, Marked
Bone Marrow		Hyperplasia	Neutrophil, Marked
Heart		Inflammation	Suppurative, Marked
Kidney		Inflammation	Suppurative, Marked
Liver		Inflammation	Suppurative, Marked
Lung		Inflammation	Suppurative, Marked
Lymph Node	Mesenteric	Inflammation	Suppurative, Marked
Skin		Inflammation	Suppurative, Marked
Spleen		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 2-2		
Note: INFLAMMATION	TGLs = 1-2		
Thymus		Inflammation	Suppurative, Marked
Tissue NOS	Abdominal	Inflammation	Suppurative, Marked

**PRIMARY CAUSE OF DEATH**

-

Animal Note: MASSIVE SEPTICEMIA ASSOC W/ABDOMINAL VISCERAL ABSCESS

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 114	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 568
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 861834

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	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

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**MISSING**

Lymph Node - Mandibular	Mammary Gland
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**OBSERVATIONS**

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Nephropathy	Mild
Liver		Hepatocellular Carcinoma	
Note: EXTENSIVE NECROSIS OF NORMAL & NEOPLASTIC HEPATIC TISSUE			
Note: HEPATOCLR CARC TGLs = 1-13			
Lung	Alveolus	Giant Cell Inflammation	Moderate Chronic Active, Moderate
Note: INFLAMMATION TGLs = 3-12			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 115	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 423
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 861835

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Islets, Pancreatic	Kidney	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	Urinary Bladder	

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**MISSING**

Gallbladder	Intestine Large - Rectum	Mammary Gland	
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**AUTO PRECLUDES DIAG.**

Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum			

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**INSUFFICIENT TISSUE**

Lymph Node - Mandibular

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**OBSERVATIONS**

Liver		Hemorrhage	Moderate
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-2			
Thymus		Atrophy	Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 116	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 666
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 861836

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Lymph Node - Mandibular	Mammary Gland
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**AUTO PRECLUDES DIAG.**

Gallbladder	Intestine Small - Jejunum
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**OBSERVATIONS**

Kidney		Nephropathy	Mild
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 4-5			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC TGLs = 5-6,11,12			
Preputial Gland	Duct	Dilatation	Marked
Note: DILATATION TGLs = 1-14			
Testes		Atrophy	Mild
Thyroid Gland	Follicle	Degeneration	Mild
Tissue NOS		Hemorrhage	Marked
Note: HEMORRHAGE TGLs = 3-13			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 117

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861837

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	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 - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Adrenal Gland - Medulla	Pituitary Gland
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**OBSERVATIONS**

Epididymis		Inflammation	Chronic, Moderate
Heart	Perivascular	Infiltration Cellular	Lymphocyte, Minimal
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
		Inflammation	Suppurative, Mild
Note: HEPATOCLR ADEN TGLs = 1-5			
Note: INFLAMMATION INVOLVES MARGIN OF TUMOR			
Testes		Mineralization	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 119

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 200MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 861839

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**OBSERVATIONS**

Liver  
[ Hepatocellular Adenoma TGLS = 1-2 ]

Hepatocellular Adenoma

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 120	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861840

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lymph Node - Mandibular	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			

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**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Hepatocellular Adenoma	
Lung	Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Mild
	Hyperplasia	

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Note: ALV BRON ADEN TGLs = 1-6,11

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 121

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861841

**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	Liver
Lymph Node - Mandibular	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	Cortex	Hypertrophy	Mild
Kidney		Nephropathy	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 1-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 122

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861842

**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Mixed Cell Focus	Mild
Note: [ MIXED CL FOCUS ] TGLs = 1-11			
Lung	Peribronchiolr	Infiltration Cellular	Lymphocyte, Mild
Seminal Vesicle		Inflammation	Chronic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 123

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861843

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Heart  
Intestine Small - Duodenum  
Liver  
Nose  
Prostate  
Stomach - Forestomach  
Thyroid Gland

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Pancreas  
Seminal Vesicle  
Stomach - Glandular  
Trachea

Bone  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Parathyroid Gland  
Skin  
Testes  
Urinary Bladder

Bone Marrow  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pituitary Gland  
Spleen  
Thymus

**MISSING**

Mammary Gland

**OBSERVATIONS**

Kidney  
Salivary Glands

Nephropathy  
Infiltration Cellular

Mild  
Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 124

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 438

**DOSE:** 200MG/KG

**DISP:** Moribund

**HISTO:** 861844

**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	Lymph Node - Mandibular	Lymph Node - Mesenteric	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**

Eye	Adenocarcinoma	Metastatic (Harderian Gland)
Note: ADENOCARC TGLs = 3-13		
Harderian Gland	Adenocarcinoma	
Kidney	Nephropathy	Minimal
Lung	Adenocarcinoma	Metastatic (Harderian Gland)
	Pigmentation	Mild
Note: PIGMENT TGLs = 2-11		
Note: ADENOCARC TGLs = 1-12		
Spleen	Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLS = 4-2 ]		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 125	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861845

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Lymph Node - Mandibular	Mammary Gland
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**OBSERVATIONS**

Kidney	Nephropathy	Mild
Liver	Eosinophilic Focus	Moderate
	Hepatocellular Adenoma	Multiple
Note: [ HEPATOCLR ADEN ] TGLs = 3,6-11+12		
Note: [ EOSIN FOCUS ] TGLs = 4-11		
Lung	Alveolar/Bronchiolar Adenoma	
Preputial Gland	Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 1-13		
Salivary Glands	Infiltration Cellular	Lymphocyte, Mild
Stomach	Glandular Inflammation	Suppurative, Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 126

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 643

**DOSE:** 200MG/KG

**DISP:** Dead

**HISTO:** 861846

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone Marrow	Brain	Epididymis	Esophagus
Heart	Islets, Pancreatic	Nose	Pancreas
Salivary Glands	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea			

**MISSING**

Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
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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	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Glandular	Testes
Urinary Bladder			

**OBSERVATIONS**

Bone Note: ALV BRON CARC TGLs = 3-13		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Kidney		Hepatocellular Carcinoma	Metastatic (Uncertain Primary Site)
Liver  Note: [ HEPATOCLR CARC ] TGLs = 1-5		Hepatocellular Adenoma Hepatocellular Carcinoma	
Lung  Note: ALV BRON CARC TGLs = 2-11 Note: HEPATOCLR CARC TGLs = 4-12		Alveolar/Bronchiolar Carcinoma Hepatocellular Carcinoma	Metastatic (Liver)

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 127

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861847

**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
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

**MISSING**

Lymph Node - Mandibular	Mammary Gland
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**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Clear Cell Focus	Minimal
	Eosinophilic Focus	Mild
	Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-11		
Skin	Cyst Epithelial Inclusion	
Note: CYST EPITH INC TGLs = 3-12		
Urinary Bladder	Infiltration Cellular	Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 128

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861848

**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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland

**OBSERVATIONS**

Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 4-11			
Mesentery	Fat	Necrosis	Mild
Note: NECROSIS TGLs = 1-13			
Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 3-5			
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Mild
Note: HYPERPLASIA TGLs = 5-12			
Note: INFLAMMATION TGLs = 5-12			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 129

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861849

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Mammary Gland

**OBSERVATIONS**

Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 5-13		
Kidney		Nephropathy	Minimal
Liver		Clear Cell Focus	Moderate
		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	Multiple
Note: CLEAR CL FOCUS	TGLs = 2-5		
Note: [ HEPATOCLR ADEN ]	TGLs = 1,7-5+14		
Note: [ EOSIN FOCUS ]	TGLs = 4,6-11+12+14		
Lung		Alveolar/Bronchiolar Adenoma	
Pancreas		Atrophy	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 130

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 553

**DOSE:** 200MG/KG

**DISP:** Moribund

**HISTO:** 861850

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Gallbladder	Mammary Gland
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**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Moderate
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-5			
Note: [ HEPATOCLR ADEN ] TGLs = 1-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Stomach	Glandular	Inflammation	Suppurative, Mild
	Glandular	Mineralization	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 131	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 673
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 861851

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Heart	Parathyroid Gland	Thymus	Trachea

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**MISSING**

Gallbladder	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Pituitary Gland			

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**AUTO PRECLUDES DIAG.**

Brain	Epididymis	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Pancreas	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Urinary Bladder

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**OBSERVATIONS**

Bone Marrow	Histiocytic Sarcoma	
Kidney	Histiocytic Sarcoma	
Liver	Histiocytic Sarcoma	
Note: [ HISTIO SARC ] TGLs = 2-5		
Nose	Histiocytic Sarcoma	
	Inflammation	Suppurative, Marked
Spleen	Histiocytic Sarcoma	

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 133

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861853

**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	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**

Kidney	Nephropathy	Minimal
Liver	Clear Cell Focus	Minimal
	Eosinophilic Focus	Minimal
	Hepatocellular Adenoma	Multiple
Note: [ HEPATOCLR ADEN ] TGLs = 1-5+11+12+13		
Lung	Alveolar/Bronchiolar Adenoma	
	Congestion	Minimal
Note: ALV BRON ADEN TGLs = 3-15.1		
Note: CONGESTION TGLs = 3-15		
Spleen	Developmental Malformation	
Note: DEVELOP MALFOR TGLs = 2-2,5		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 134

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861854

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Heart  
Intestine Small - Duodenum  
Lung  
Pancreas  
Seminal Vesicle  
Testes  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Skin  
Thymus

Bone  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pituitary Gland  
Stomach - Forestomach  
Thyroid Gland

Bone Marrow  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Prostate  
Stomach - Glandular  
Trachea

**MISSING**

Mammary Gland

**OBSERVATIONS**

Kidney  
Liver

Note: HEPATOCLR CARC TGLs = 1-11

Salivary Glands  
Spleen

Nephropathy  
Hepatocellular Carcinoma  
  
Infiltration Cellular  
Hyperplasia

Minimal

Lymphocyte, Minimal  
Lymphoid, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 135      **TRT#:** 2      **SEX:** Male      **DAY ON TEST:** 558  
**DOSE:** 200MG/KG      **DISP:** Dead      **HISTO:** 861855

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Small - Duodenum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Skin	Spleen	Testes
Thyroid Gland	Trachea		

**MISSING**

Mammary Gland

**AUTO PRECLUDES DIAG.**

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Intestine Small - Jejunum	Stomach - Glandular	Urinary Bladder

**INSUFFICIENT TISSUE**

Prostate

**OBSERVATIONS**

Heart		Hepatocellular Carcinoma	Metastatic (Liver)
Kidney		Hepatocellular Carcinoma	Metastatic (Liver)
		Nephropathy	Mild
Note: [ HEPATOCLR CARC ] TGLs = 2-12			
Liver		Hepatocellular Carcinoma	
Note: [ HEPATOCLR CARC ] TGLs = 1-14			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: [ HEPATOCLR CARC ] TGLs = 3-6+13			
Lymph Node	Mediastinal	Hepatocellular Carcinoma	Metastatic (Liver)
Note: [ HEPATOCLR CARC ] TGLs = 4-11			
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Minimal
Thymus		Hepatocellular Carcinoma	Metastatic (Liver)
Note: [ HEPATOCLR CARC ] TGLs = 5-3			
Tissue NOS	Thoracic	Hepatocellular Carcinoma	Metastatic (Liver)

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 135

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 558

**DOSE:** 200MG/KG

**DISP:** Dead

**HISTO:** 861855

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ HEPATOCLR CARC ] TGLs = 6-15

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 136

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861856

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	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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**INSUFFICIENT TISSUE**

Gallbladder

**OBSERVATIONS**

Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
		Hepatocellular Adenoma	
Liver			
Note: HEPATOCLR ADEN TGLs = 1-5			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Tissue NOS	Thoracic	Hemangioma	
Note: HEMANGIOMA TGLs = 2-11			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 137

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861857

**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	Liver
Lymph Node - Mandibular	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**

Adrenal Gland Note: HYPERPLASIA TGLs = 3-3	Cortex	Hyperplasia	Mild
Kidney Lung Note: ALV BRON ADEN TGLs = 2-11		Nephropathy Alveolar/Bronchiolar Adenoma	Minimal
Preputial Gland Note: DILATATION TGLs = 1-12	Duct	Dilatation	Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 138

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** 200MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 861858

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**OBSERVATIONS**

Liver [ Hepatocellular Adenoma TGLS = 2-2 ] Hepatocellular Adenoma

Mesentery Fat Necrosis Moderate

Note: NECROSIS TGLs = 1-12

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 139

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 200MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 861859

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**OBSERVATIONS**

Liver  
Note: [ HEPATOCLR ADEN ] TGLs = 1-2

Hepatocellular Adenoma

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 140

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861860

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland

**INSUFFICIENT TISSUE**

Thymus

**OBSERVATIONS**

Kidney		Nephropathy	Mild
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR ADEN	TGLs = 2-5		
Note: HEPATOCLR CARC	TGLs = 3-5		
Note: MARKED NECROSIS OF TUMOR MASS			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
Note: HYPERPLASIA	TGLs = 4-11		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 141	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861861

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	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		

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney	Epithelium, Pelvis	Hyperplasia	Moderate
		Nephropathy	Minimal
Liver		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 1,2,3-5			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 142	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861862

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Kidney	Renal Tubule	Adenoma	
		Nephropathy	Minimal
Liver		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	
Note: CLEAR CL FOCUS TGLs = 4-11			
Note: HEPATOCLR ADEN TGLs = 1,2-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-12			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 143	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861863

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Kidney		Nephropathy	Minimal
Liver		Clear Cell Focus	Mild
		Hepatocellular Adenoma	Multiple
Note: [ HEPATOCLR ADEN ] TGLs = 3,4,5-5+11+12			
Lung		Congestion	Mild
Note: CONGESTION TGLs = 6-6			
Preputial Gland	Duct	Dilatation	Mild
Note: DILATATION TGLs = 1-14			
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Note: HYPERPLASIA TGLs = 7-13			

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 144	<b>TRT#:</b> 3 <b>DOSE:</b> 400MG/KG	<b>SEX:</b> Male <b>DISP:</b> Dead	<b>DAY ON TEST:</b> 715 <b>HISTO:</b> 861864
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Islets, Pancreatic	Lymph Node - Mandibular	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Seminal Vesicle	Spleen
Stomach - Forestomach	Testes	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Lymph Node - Mesenteric Thymus	Mammary Gland	Nose	Skin
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**AUTO PRECLUDES DIAG.**

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Prostate	Stomach - Glandular

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**OBSERVATIONS**

Heart		Sarcoma	
Kidney		Nephropathy	Moderate
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 5-5,17			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ ALV BRON CARC ] TGLs = 4-6+15			
Lymph Node	Bronchial	Sarcoma	
	Mediastinal	Sarcoma	
Note: SARCOMA TGLs = 7-14			
Note: SARCOMA TGLs = 3-11			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 145

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861865

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Kidney	Cortex	Cyst	Minimal
		Nephropathy	Minimal
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN	TGLs = 1,2,3,4-5,11,14		
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Mild
Note: HYPERPLASIA	TGLs = 5-13		
Note: INFLAMMATION	TGLs = 5-4		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 146

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861866

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	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**

Kidney	Nephropathy	Minimal
Liver	Clear Cell Focus	Mild
	Eosinophilic Focus	Minimal
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 5-11		
Note: HEPATOCLR ADEN TGLs = 3,4-5		
Spleen	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 1-5		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 147

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861867

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland

**OBSERVATIONS**

Heart		Cardiomyopathy	Moderate
Kidney	Renal Tubule	Hyperplasia	Cystic, Minimal
		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-5			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Note: HYPERPLASIA TGLs = 2-11			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 149

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** 400MG/KG

**DISP:** Interval Sacrifice

**HISTO:**

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**OBSERVATIONS**

Liver

Basophilic Focus

Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 150	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861870

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Spleen	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Hepatocellular Adenoma	Multiple
Note: [ HEPATOCLR ADEN ] TGLs = 4-5		
Lung	Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-11		
Skin	Alopecia	Moderate
Note: ALOPECIA TGLs = 1-13		
Stomach	Forestomach	
Note: PAPILOMA SQUA TGLs = 5-12		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 151

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861871

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Gallbladder	Mammary Gland
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**OBSERVATIONS**

Kidney		Amyloid Deposition	Minimal
		Nephropathy	Minimal
Liver		Clear Cell Focus	Moderate
		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	
Note: [ CLEAR CL FOCUS ] TGLs = 1-12			
Note: HEPATOCLR ADEN TGLs = 1-12			
Note: [ EOSIN FOCUS ] TGLs = 5-5+11			
Note: HEPATOCLR ADEN TGLs = 3-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 4-13			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 6-14			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 153

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861873

**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
Lung	Lymph Node - Mandibular	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**

Kidney	Nephropathy	Minimal
Liver	Clear Cell Focus	Minimal

Note: CLEAR CL FOCUS TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 155

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 718

**DOSE:** 400MG/KG

**DISP:** Moribund

**HISTO:** 861875

**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland

**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 1,2,3-5		
Lung	Alveolar/Bronchiolar Adenoma	
Seminal Vesicle	Dilatation	Moderate
Note: DILATATION TGLs = 4-8		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 156

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 393

**DOSE:** 400MG/KG

**DISP:** Dead

**HISTO:** 861876

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node - Mandibular	Nose	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Testes	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Lymph Node - Mesenteric	Mammary Gland	Pituitary Gland
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**AUTO PRECLUDES DIAG.**

Brain	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Pancreas
Stomach - Forestomach	Stomach - Glandular	Thymus	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 157

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** 400MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 861877

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**OBSERVATIONS**

Liver

Mixed Cell Focus

Mild

Note: [ MIXED CL FOCUS ] TGLs = 3-2

Lung

Alveolar/Bronchiolar Adenoma

[ Alveolar/Bronchiolar Adenoma TGLS = 4-14 ]

Lymph Node

Mesenteric

Lymphoma Malignant

[ Lymphoma Malignant TGLS = 2-4 ]

Spleen

Lymphoma Malignant

Note: LYMPH MAL TGLs = 1-2

Note: SPLEEN-HISTIOCYTIC TYPE MAY BE PREFERRED TERM.

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 158

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861878

**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	Lung
Lymph Node - Mandibular	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**

Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Kidney		Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Minimal
Liver		Eosinophilic Focus	Moderate
		Fatty Change	Mild
		Hepatocellular Adenoma	

Note: [ HEPATOCLR ADEN ] TGLs = 2-5

Note: [ EOSIN FOCUS ] TGLs = 1-5

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 159

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 675

**DOSE:** 400MG/KG

**DISP:** Moribund

**HISTO:** 861879

**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
Lung	Lymph Node - Mandibular	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**

Eye Note: INFLAMMATION TGLs = 1-11	Cornea	Inflammation	Chronic, Mild
Harderian Gland Note: ADENOMA TGLs = 3-11		Adenoma	
Kidney		Nephropathy	Minimal
Liver Note: HEPATOCLR ADEN TGLs = 2-5		Hepatocellular Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 160	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 583
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 861880

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone	Brain	Esophagus	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Thyroid Gland	Trachea

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**MISSING**

Mammary Gland	Pituitary Gland	Thymus
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**AUTO PRECLUDES DIAG.**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Epididymis
Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mesenteric
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Urinary Bladder

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**OBSERVATIONS**

Heart	Cardiomyopathy	Mild
Kidney	Nephropathy	Marked
Liver	Basophilic Focus	Mild
	Hepatocellular Carcinoma	

Note: AUTOLYTIC CHANGE MAKES DIAGNOSIS OF CARCINOMA SUSPECT

Note: TGL2 MAY REPRESENT AUTOLYTIC CHANGES IN LIVER

Note: HEPATOCLR CARC TGLs = 1-11

Note: HEPATOCLR CARC TGLs = 2-12

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 161

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861881

**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Kidney	Nephropathy	Mild
Liver	Clear Cell Focus	Mild
	Hepatocellular Adenoma	
	Alveolar/Bronchiolar Adenoma	

Note: CLEAR CL FOCUS TGLs = 2-5,12,13

Lung

Note: ALV BRON ADEN TGLs = 1-11

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 162

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861882

**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
Lymph Node - Mandibular	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**

Kidney	Renal Tubule	Adenoma	
		Nephropathy	Minimal
Note: ADENOMA	TGLs = 1-13		
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 2-12		
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 3-11		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 163

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 400MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 861883

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**OBSERVATIONS**

Lung

Alveolar/Bronchiolar Adenoma

Multiple

Note: [ ALV BRON ADEN ] TGLs = 1-12,2-13

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 164	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861884

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Gallbladder	Lymph Node - Mandibular	Mammary Gland
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**OBSERVATIONS**

Kidney		Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Minimal
Liver		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION	TGLs = 1-11,14		
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02

**Test Type:** CHRONIC

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3,4-Dihydrocoumarin

**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 13:36:42

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

**Lab:** AM BIO

---

**ANIMAL ID:** 165

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 400MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 861885

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**OBSERVATIONS**

Liver  
[ Hepatocellular Adenoma TGLS = 1-12 ]

Hepatocellular Adenoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 166

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861886

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Mammary Gland

**OBSERVATIONS**

Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 3-13		
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
Note: BASOPH FOCUS	TGLs = 2-14		
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 1-11		
Lymph Node	Mesenteric	Congestion	Mild
Note: CONGESTION	TGLs = 5-7		
Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Chronic, Mild
Note: INFLAMMATION	TGLs = 4-12		
Note: DILATATION	TGLs = 4-12		
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 168

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861888

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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	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	Cortex	Pigmentation	Ceroid, Mild
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver		Clear Cell Focus	Minimal
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-11			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-13			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 170

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 618

**DOSE:** 400MG/KG

**DISP:** Dead

**HISTO:** 861890

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Colon	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Nose	Pancreas	Pituitary Gland	Prostate
Skin	Stomach - Forestomach	Thyroid Gland	Trachea

**MISSING**

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

Gallbladder	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mesenteric	Seminal Vesicle
Spleen	Stomach - Glandular	Testes	Thymus
Urinary Bladder			

**OBSERVATIONS**

Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 5-12,15		
Note: HEPATOCLR ADEN	TGLs = 4-11		
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC	TGLs = 1,2-6,13		
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 171

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861891

**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 - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland

**INSUFFICIENT TISSUE**

Thymus

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Lymph Node	Mesenteric	Congestion	Mild
Note: CONGESTION	TGLs = 2-7		
Spleen		Hemangioma	
Note: HEMANGIOMA	TGLs = 1-5		
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA	TGLs = 3-14,11		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 172

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861892

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Eosinophilic Focus	Minimal
Note: [ EOSIN FOCUS ] TGLs = 2-11			
Lymph Node			
Note: MESENTERIC LYMPH NODE WITHIN NORMAL LIMITS.			
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-12			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Thyroid Gland	Follicle	Cyst	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 173

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 722

**DOSE:** 400MG/KG

**DISP:** Moribund

**HISTO:** 861893

**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	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland

**INSUFFICIENT TISSUE**

Thymus

**OBSERVATIONS**

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney	Cortex	Cyst	Minimal
	Renal Tubule	Hyperplasia	Cystic, Minimal
		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 6,7-11			
Lymph Node	Mesenteric	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
Note: LYMPH MAL TGLs = 4-12			
Note: LYMPH MAL TGLs = 5-7			
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 3-13			
Skin		Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 1-12			
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-5			
Stomach	Forestomach	Hyperplasia	Squamous, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 173

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 722

**DOSE:** 400MG/KG

**DISP:** Moribund

**HISTO:** 861893

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 175	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861895

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Coagulating Gland	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 - Mandibular	Lymph Node - Mesenteric	Nose
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

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**MISSING**

Mammary Gland	Parathyroid Gland	Thyroid Gland
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**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Clear Cell Focus	Mild
	Hepatocellular Adenoma	
Note: [ HEPATOCLR ADEN ] TGLs = 3-11		
Lung	Alveolar/Bronchiolar Adenoma	Multiple
Note: [ ALV BRON ADEN ] TGLs = 4,5-12		
Lymph Node		
Note: MESENTERIC LYMPH NODE WITHIN NORMAL LIMITS.		
Pancreas	Atrophy	Mild
Spleen	Developmental Malformation	
Note: DEVELOP MALFOR TGLs = 2-5		
Stomach	Forestomach	Squamous, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 176

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 718

**DOSE:** 400MG/KG

**DISP:** Moribund

**HISTO:** 861896

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea		

**MISSING**

Mammary Gland	Parathyroid Gland
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**INSUFFICIENT TISSUE**

Thymus

**OBSERVATIONS**

Epididymis	Infiltration Cellular	Lymphocyte, Mild
Kidney	Nephropathy	Minimal
Liver	Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-5		
Testes	Atrophy	Mild
Urinary Bladder	Infiltration Cellular	Lymphocyte, Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 177

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861897

**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	Lymph Node - Mandibular
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**

Heart		Cardiomyopathy	Mild
Kidney	Cortex	Cyst	Minimal
		Nephropathy	Minimal
Liver		Clear Cell Focus	Mild
		Hepatocellular Adenoma	Multiple
	Note: [ HEPATOCLR ADEN ] TGLs = 1,2,5-12+13		
Lung		Alveolar/Bronchiolar Adenoma	Multiple
	Note: ALV BRON ADEN TGLs = 3,4-11		
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 178

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861898

**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
Lymph Node - Mandibular	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea

**MISSING**

Mammary Gland	Pituitary Gland
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**OBSERVATIONS**

Kidney		Nephropathy	Moderate
Liver		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic, Mild
Note: HEPATOCLR ADEN	TGLs = 4,5,6-5		
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 1-12		
Lymph Node	Mesenteric, Sinus	Dilatation	Marked
Note: DILATATION	TGLs = 7-7		
Nose	Vomeronas Org	Inflammation	Proliferative, Moderate
Pancreas		Polyarteritis	Moderate
Spleen		Hemangiosarcoma	
Note: HEMANGIOSARC	TGLs = 3-11		
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 179

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861899

**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	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Gallbladder	Mammary Gland
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**OBSERVATIONS**

Gallbladder			
Note: GALLBLADDER MAY BE IN MEDIAN LOBE MASS			
Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Kidney		Nephropathy	Mild
Liver		Clear Cell Focus	Moderate
		Hepatocellular Adenoma	Multiple
Note: CLEAR CL FOCUS TGLs = 5-13			
Note: [ HEPATOCLR ADEN ] TGLs = 3,6,7-5+11+12+13			
Lymph Node	Mesenteric	Congestion	Mild
Note: CONGESTION TGLs = 2-7			
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-15			
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
Note: HYPERPLASIA TGLs = 8-14			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 181

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861901

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Gallbladder	Mammary Gland
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**OBSERVATIONS**

Gallbladder			
Note: GALLBLADDER MAY BE IN MEDIAN LOBE TUMOR MASS			
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Hyperplasia	Cystic, Minimal
		Nephropathy	Mild
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-5			
Note: [ HEPATOCLR ADEN ] TGLs = 5-12			
Lymph Node	Mesenteric	Congestion	Moderate
	Mandibular	Hyperplasia	Lymphoid, Moderate
Note: CONGESTION TGLs = 2-7			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 1-5			
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
Note: [ HYPERPLASIA ] TGLs = 6-4+13			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 183

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861903

**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
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**

Ear	Pinna	Hyperplasia	Squamous, Moderate
	Pinna	Inflammation	Suppurative, Mild
Note: INFLAMMATION	TGLs = 1,2-12,13		
Note: HYPERPLASIA	TGLs = 1,2-12,13		
Kidney		Nephropathy	Minimal
Lacrimal Gland		Adenoma	
Note: ADENOMA	TGLs = 9-16		
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
Note: [ HEPATOCLR ADEN ]	TGLs = 6,7,8-5+11		
Lung		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Mild
Note: HEMORRHAGE	TGLs = 4-6		
Note: ALV BRON ADEN	TGLs = 5-14		
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Salivary Glands	Duct	Dilatation	Moderate
		Infiltration Cellular	Lymphocyte, Minimal
Note: TGL 3 IS SALIVARY LESION NOT SKIN			
Note: DILATATION	TGLs = 3-15		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 183

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861903

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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:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 184

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861904

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	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**

Intestine Large	Cecum	Hyperplasia	Lymphoid, Mild
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3-5			
Mesentery	Fat	Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 2-12			
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 186	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 555
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 861906

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Thymus	Thyroid Gland	Trachea

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**MISSING**

Gallbladder	Mammary Gland
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**AUTO PRECLUDES DIAG.**

Epididymis	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Urinary Bladder

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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-5			
Note: LIVER IS AUTOLYTIC			
Lung		Congestion	Mild
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 2-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 187

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 659

**DOSE:** 400MG/KG

**DISP:** Dead

**HISTO:** 861907

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland

**OBSERVATIONS**

Kidney	Renal Tubule	Hyperplasia	Moderate
		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Marked
<p>Note: NECROSIS TGLs = 2,7-11            Note: ADVANCED AUTOLYTIC CHANGE            Note: HEPATOCLR CARC TGLs = 3-11            Note: HEPATOCLR ADEN TGLs = 1-11</p>			
Lymph Node	Renal	Lymphoma Malignant Mixed	
<p>Note: MESENTERIC LYMPH NODE WITHIN NORMAL LIMITS.            Note: LYMPH MAL MIXD TGLs = 8-13</p>			
Pancreas		Atrophy	Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Thymus		Lymphoma Malignant Mixed	
<p>Note: LYMPH MAL MIXD TGLs = 4-12</p>			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 188

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 14

**DOSE:** 400MG/KG

**DISP:** Gavage Death

**HISTO:** 861908

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Bone Marrow	Esophagus	Heart
Kidney	Liver	Lung	Lymph Node - Mandibular
Nose	Prostate	Skin	Testes
Thymus			

**MISSING**

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

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Pancreas	Salivary Glands	Seminal Vesicle	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 189	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861909

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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 - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Stomach	Forestomach	Squamous Cell Papilloma	

Note: PAPILLOMA SQUA TGLs = 1-11

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 191

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 599

**DOSE:** 400MG/KG

**DISP:** Dead

**HISTO:** 861911

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Kidney	Lung	Nose
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
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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	Lymph Node - Mesenteric	Pancreas
Spleen	Stomach - Forestomach	Stomach - Glandular	

**OBSERVATIONS**

Heart	Mineralization	Mild
Liver	Hepatocellular Adenoma	Multiple

Note: MASSIVE NECROSIS OF TUMOR

Note: [ HEPATOCLR ADEN ] TGLs = 1,2-5+11

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 192	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 679
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Moribund	<b>HISTO:</b> 861912

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Heart	Mineralization	Mild
Kidney	Nephropathy	Mild
Liver	Hemorrhage	Mild
	Hepatocellular Adenoma	Multiple
	Necrosis	Mild
Note: [ HEPATOCLR ADEN ] TGLs = 5,7-5+14		
Lung	Alveolar/Bronchiolar Adenoma	Multiple
	Inflammation	Suppurative, Marked
Note: [ ALV BRON ADEN ] TGLs = 1-6+11+13		
Note: INFLAMMATION TGLs = 4-13		
Note: INFLAMMATION TGLs = 3-12		
Nose	Inflammation	Suppurative, Moderate
Stomach	Forestomach	Squamous, Moderate

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 195

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 400MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 861915

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**OBSERVATIONS**

Liver  
[ Hepatocellular Adenoma TGLS = 1-12 ]

Hepatocellular Adenoma

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 196	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 640
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Moribund	<b>HISTO:</b> 861916

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 5,6-5			
Note: HEPATOCLR ADEN TGLs = 3-11			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 2-12			
Skin		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 4-13			
Spleen		Inflammation	Pyogranulomat, Marked
Note: INFLAMMATION TGLs = 1-5			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 197	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861917

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR ADEN TGLs = 3-11			
Note: HEPATOCLR CARC TGLs = 2-5			
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-12			
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 199

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861919

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	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	Lung	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland

**INSUFFICIENT TISSUE**

Thymus

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Mild
Ear	Pinna	Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 2-12			
Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Kidney	Cortex	Cyst	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	Marked
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Marked
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Skin	Sebaceous GI	Metaplasia	Squamous, Moderate
Note: METAPL TGLs = 1-11			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 201	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861921

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Lymph Node - Mesenteric	Mammary Gland
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**OBSERVATIONS**

Kidney	Cortex	Cyst	Mild
		Nephropathy	Minimal
Liver		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN	TGLs = 1-5,11,12,13		
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 4-6,15		
Seminal Vesicle		Dilatation	Moderate
Note: DILATATION	TGLs = 3-8		
Skin		Alopecia	Minimal
Note: ALOPECIA	TGLs = 2-14		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 202

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861922

**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	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland

**OBSERVATIONS**

Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 4,5-5			
Lymph Node	Mesenteric	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
Note: LYMPH MAL TGLs = 2-7			
Note: LYMPH MAL TGLs = 3-11			
Spleen		Lymphoma Malignant	
Note: LYMPH MAL TGLs = 1-5			
Testes		Atrophy	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 203

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861923

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Prostate	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Pituitary Gland

**OBSERVATIONS**

Intestine Small	Ileum	Adenocarcinoma	
Note: ADENOCARC	TGLs = 1-11		
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA	TGLs = 2-5		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 204

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 639

**DOSE:** 400MG/KG

**DISP:** Moribund

**HISTO:** 861924

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland

**INSUFFICIENT TISSUE**

Thymus

**OBSERVATIONS**

Adrenal Gland	Cortex	Infarct	Moderate
Kidney		Nephropathy	Moderate
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-5			
Testes		Atrophy	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 205	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 655
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 861925

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Pancreas	Skin	Stomach - Forestomach
Testes	Thyroid Gland	Trachea	

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**MISSING**

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

Brain	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mesenteric	Prostate	Seminal Vesicle	Stomach - Glandular
Urinary Bladder			

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**INSUFFICIENT TISSUE**

Thymus

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**OBSERVATIONS**

Heart	Inflammation	Suppurative, Moderate
Kidney	Infarct	Moderate
	Inflammation	Suppurative, Mild
Liver	Eosinophilic Focus	Moderate
	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	

Note: [ EOSIN FOCUS ] TGLs = 3-5

Note: HEPATOCLR ADEN TGLs = 2-11

Note: HEPATOCLR CARC TGLs = 1-5

Note: MASSIVE NECROSIS OF CARCINOMA

Note: HEPATOCLR ADEN TGLs = 3-5

Lung	Inflammation	Suppurative, Mild
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal
Spleen	Inflammation	Suppurative, Moderate

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 206	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861926

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Kidney	Renal Tubule	Hyperplasia Nephropathy	Cystic, Minimal Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 1,2,3-5			
Lymph Node			
Note: MESENTERIC LYMPH NODE WITHIN NORMAL LIMITS.			
Pituitary Gland	Pars Distalis	Cyst	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 207

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861927

**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Spleen	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland

**INSUFFICIENT TISSUE**

Thymus

**OBSERVATIONS**

Kidney		Infiltration Cellular Nephropathy	Lymphocyte, Moderate Mild
Liver		Hepatocellular Adenoma Hepatocellular Carcinoma Infiltration Cellular	Lymphocyte, Mild
Note: HEPATOCLR CARC TGLs = 4-5 Note: [ HEPATOCLR ADEN ] TGLs = 5-5			
Lung		Alveolar/Bronchiolar Adenoma Hepatocellular Carcinoma	Metastatic (Liver)
Note: ALV BRON ADEN TGLs = 3-13			
Skin		Fibrosis Parakeratosis	Mild Mild
Note: PARAKERATOSIS TGLs = 1-11 Note: PARAKERATOSIS TGLs = 2-12 Note: [ FIBROSIS ] TGLs = 1-11 Note: [ FIBROSIS ] TGLs = 2-12			
Stomach	Forestomach	Hyperplasia	Squamous, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 207

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861927

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: HYPERPLASIA TGLs = 6-14

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 208      **TRT#:** 3      **SEX:** Male      **DAY ON TEST:** 730  
**DOSE:** 400MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 861928

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland

**INSUFFICIENT TISSUE**

Thymus

**OBSERVATIONS**

Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY    TGLs = 12-16			
Liver		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN    TGLs = 11-5			
Note: HEPATOCLR ADEN    TGLs = 10,14-12			
Lymph Node	Mediastinal	Hyperplasia	Plasma Cell, Mild
Note: HYPERPLASIA    TGLs = 13-11			
Note: MESENTERIC LYMPH NODE WITHIN NORMAL LIMITS.			
Mesentery	Fat	Inflammation	Chronic Active, Marked
	Fat	Necrosis	Marked
Note: INFLAMMATION    TGLs = 3,7-17			
Note: NECROSIS    TGLs = 3,7-17			
Pancreas		Inflammation	Chronic, Marked
Note: INFLAMMATION    TGLs = 6-2			
Preputial Gland	Duct	Dilatation	Mild
Note: DILATATION    TGLs = 2-18			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 208	<b>TRT#:</b> 3 <b>DOSE:</b> 400MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b> 861928
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Skin		Alopecia	Moderate
Note: ALOPECIA	TGLs = 1-15		
Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA	TGLs = 5-5		
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA	TGLs = 9-13		

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 209	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861929

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney		Nephropathy	Mild
Liver		Eosinophilic Focus	Marked
		Hepatocellular Adenoma	
		Necrosis	Marked
Note: HEPATOCLR ADEN TGLs = 2-11,4-5			
Note: [ EOSIN FOCUS ] TGLs = 4-5			
Note: NECROSIS TGLs = 3-13			
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-12			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 210

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 410

**DOSE:** 400MG/KG

**DISP:** Moribund

**HISTO:** 861930

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Intestine Large	Cecum	Inflammation	Suppurative, Mild
	Rectum	Inflammation	Suppurative, Mild
Note: INFLAMMATION	TGLs = 2-12		
Note: INFLAMMATION	TGLs = 1-6		
Spleen		Congestion	Moderate
Thymus		Inflammation	Suppurative, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 211

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 527

**DOSE:** 800MG/KG

**DISP:** Dead

**HISTO:** 861931

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea

**MISSING**

Gallbladder	Lymph Node - Mesenteric	Mammary Gland
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**AUTO PRECLUDES DIAG.**

Intestine Small - Duodenum	Intestine Small - Ileum
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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Eosinophilic Focus	Minimal
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: [ HEPATOCLR CARC ] TGLs = 1,2-5			
Nose	Nasolacrimal Duct	Hyperplasia	Squamous, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 212

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** 800MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 861932

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Heart  
Intestine Small - Duodenum  
Kidney  
Nose  
Prostate  
Spleen  
Thymus

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Pancreas  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Bone  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Glandular  
Trachea

Bone Marrow  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pituitary Gland  
Skin  
Testes  
Urinary Bladder

**MISSING**

Mammary Gland

**OBSERVATIONS**

Liver Hepatocellular Adenoma

Note: HEPATOCLR ADEN TGLs = 1-12

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 213

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861933

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Mixed Cell Focus	Mild
Note: MIXED CL FOCUS TGLs = 3-5			
Note: MIXED CL FOCUS TGLs = 4-11			
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-12			
Spleen		Developmental Malformation	
Note: DEVELOP MALFOR TGLs = 2-5			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 214	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861934

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Mammary Gland	Pituitary Gland
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**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 3-11		
Note: HEPATOCLR ADEN TGLs = 1-5		
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 215

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861935

**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	Lymph Node - Mandibular	Lymph Node - Mesenteric	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	Cortex	Accessory Adrenal Cortical Nodule	Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Kidney		Nephropathy	Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ ALV BRON CARC ] TGLs = 1-6			
Nose		Inflammation	Suppurative, Mild
Skeletal Muscle		Hemorrhage	Mild
Note: HEMORRHAGE TGLs = 2-11			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 216	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861936

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney		Nephropathy	Mild
Liver		Clear Cell Focus	Mild
Note: CLEAR CL FOCUS TGLs = 3-12			
Lung		Alveolar/Bronchiolar Adenoma	
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-11			
Spleen		Developmental Malformation	
		Hyperplasia	Lymphoid, Mild
Note: DEVELOP MALFOR TGLs = 2-5			
Testes		Atrophy	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 217

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861937

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland

**OBSERVATIONS**

Intestine Large Note: HYPERPLASIA TGLs = 3-7,11	Cecum	Hyperplasia	Lymphoid, Moderate
Kidney		Metaplasia Nephropathy	Osseous, Minimal Minimal
Liver Note: HEPATOCLR ADEN TGLs = 1,2-5		Hepatocellular Adenoma	Multiple
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 218

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** 800MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 861938

**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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Liver	Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-2		
Lung	Alveolar/Bronchiolar Adenoma	
Salivary Glands	Infiltration Cellular	Lymphocyte, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 220	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861940

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney	Cortex	Cyst	Minimal
		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 2-5			
Preputial Gland		Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 1-11			
Stomach	Forestomach	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 3-12			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 221

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861941

**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
Lung	Lymph Node - Mandibular	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**

Kidney	Nephropathy	Minimal
Liver	Basophilic Focus	Mild
	Eosinophilic Focus	Mild
	Hepatocellular Adenoma	Multiple

Note: HEPATOCLR ADEN TGLs = 1,2-5

Note: [ EOSIN FOCUS ] TGLs = 3-11

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 222

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 477

**DOSE:** 800MG/KG

**DISP:** Moribund

**HISTO:** 861942

**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	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Lymph Node - Mandibular	Pituitary Gland
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**OBSERVATIONS**

Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-2			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: IN METASTASES			
Note: LUNG TUMOR SHOWS EXTENSIVE SPINDLE CELL FORMATION			
Note: ALV BRON CARC TGLs = 2-11			
Lymph Node	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC TGLs = 3-11			
Mesentery	Fat	Necrosis	Mild
Note: NECROSIS TGLs = 5-12			
Skeletal Muscle	Diaphragm	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC TGLs = 4-13			
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Minimal
Note: INFLAMMATION TGLs = 6-6			
Note: HYPERPLASIA TGLs = 6-6			
Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 222

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 477

**DOSE:** 800MG/KG

**DISP:** Moribund

**HISTO:** 861942

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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:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 223

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861943

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Heart  
Intestine Small - Duodenum  
Lung  
Parathyroid Gland  
Skin  
Testes  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pituitary Gland  
Spleen  
Thymus

Bone  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Prostate  
Stomach - Forestomach  
Thyroid Gland

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

**MISSING**

Mammary Gland

**OBSERVATIONS**

Kidney

Renal Tubule

Hyperplasia  
Nephropathy

Cystic, Minimal  
Mild

Liver

Hepatocellular Adenoma  
Mixed Cell Focus

Moderate

Note: HEPATOCLR ADEN TGLs = 1-5

Note: MIXED CL FOCUS TGLs = 2-11

Pancreas

Infiltration Cellular

Lymphocyte, Minimal

Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 224

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 800MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 861944

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	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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**PRIMARY CAUSE OF DEATH** -

Animal Note: NO MICRO LESIONS.

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 226

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861946

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Gallbladder	Mammary Gland
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**OBSERVATIONS**

Kidney		Nephropathy	Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3-5			
Preputial Gland	Duct	Dilatation	Marked
Note: DILATATION TGLs = 2-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Skin		Alopecia	Mild
Note: ALOPECIA TGLs = 1-12			
Stomach	Forestomach	Hyperplasia	Squamous, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 227

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** 800MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 861947

**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 - Mandibular
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**

Urinary Bladder	Infiltration Cellular	Lymphocyte, Mild
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 228	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861948

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Kidney		Nephropathy	Minimal
Liver		Eosinophilic Focus	Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Thyroid Gland	Follicular Cel	Adenoma	

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 229

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 634

**DOSE:** 800MG/KG

**DISP:** Moribund

**HISTO:** 861949

**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	Liver	Lymph Node - Mesenteric
Nose	Pancreas	Pituitary Gland	Prostate
Seminal Vesicle	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

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

Intestine Small - Duodenum

**OBSERVATIONS**

Intestine Large	Cecum	Lymphoma Malignant	
Kidney		Nephropathy	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-13			
Lymph Node	Mandibular	Lymphoma Malignant	
Note: LYMPH MAL TGLs = 2-11			
Preputial Gland		Inflammation	Chronic, Moderate
Note: INFLAMMATION TGLs = 1-12			
Skin		Ulcer	Moderate
Note: ULCER TGLs = 2-11			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 232

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 561

**DOSE:** 800MG/KG

**DISP:** Dead

**HISTO:** 861952

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Mammary Gland

**AUTO PRECLUDES DIAG.**

Gallbladder	Intestine Large - Colon	Intestine Small - Jejunum	Stomach - Glandular
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**OBSERVATIONS**

Kidney		Nephropathy	Moderate
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	

Note: [ HEPATOCLR ADEN ] TGLs = 2-11

Note: HEPATOCLR CARC TGLs = 1-5

Pituitary Gland	Pars Distalis	Adenoma	
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Note: ADENOMA TGLs = 3-3

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 233	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 417
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Moribund	<b>HISTO:</b> 861953

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Adrenal Gland - Medulla	Mammary Gland	Pituitary Gland	Thymus
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**INSUFFICIENT TISSUE**

Gallbladder

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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Skin	Subcut Tiss	Hemangioma	
		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 3-12		
Note: HEMANGIOMA	TGLs = 3-12		
Spleen		Hemangiosarcoma	
Note: HEMANGIOSARC	TGLs = 1,2-2		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 234

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** 800MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 861954

**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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Liver	Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-2		
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 235

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861955

**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
Lung	Lymph Node - Mandibular	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**

Kidney	Nephropathy	Minimal
Liver	Basophilic Focus	Mild
	Eosinophilic Focus	Mild
	Hepatocellular Adenoma	

Note: HEPATOCLR ADEN TGLs = 2-5

Note: HEPATOCLR ADEN TGLs = 1-5

Note: [ EOSIN FOCUS ] TGLs = 2-5

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 236

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 800MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 861956

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Heart  
Intestine Small - Duodenum  
Kidney  
Nose  
Prostate  
Spleen  
Thymus

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Pancreas  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Bone  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Glandular  
Trachea

Bone Marrow  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pituitary Gland  
Skin  
Testes  
Urinary Bladder

**MISSING**

Mammary Gland

**OBSERVATIONS**

Liver  
Note: FATTY CHANGE TGLs = 1-2

Fatty Change

Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 237

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861957

**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	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland

**OBSERVATIONS**

Intestine Small Note: LYMPH MAL TGLs = 3-12	Jejunum	Lymphoma Malignant	
Kidney		Nephropathy	Minimal
Liver Note: [ HEPATOCLR ADEN ] TGLs = 4,5,6-5+11		Hepatocellular Adenoma	Multiple
Lung Note: ALV BRON ADEN TGLs = 1-13		Alveolar/Bronchiolar Adenoma	
Lymph Node Note: LYMPH MAL TGLs = 2-7	Mesenteric	Lymphoma Malignant	
Stomach Note: PAPILOMA SQUA TGLs = 7-14	Forestomach	Squamous Cell Papilloma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05091-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,4-Dihydrocoumarin

CAS Number: 119-84-6

Date Report Requested: 10/19/2014

Time Report Requested: 13:36:42

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 238

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 800MG/KG

DISP: Terminal Sacrifice

HISTO: 861958

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

Islets, Pancreatic

Lung

Lymph Node - Mandibular

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

Intestine Small

Jejunum

Hyperplasia

Lymphoid, Moderate

Kidney

Nephropathy

Minimal

Liver

Clear Cell Focus

Mild

Hepatocellular Adenoma

Multiple

Note: CLEAR CL FOCUS TGLs = 3-5

Note: [ HEPATOCLR ADEN ] TGLs = 4-5+11+12+13

Preputial Gland

Duct

Dilatation

Moderate

Note: DILATATION TGLs = 1-14

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 240

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 722

**DOSE:** 800MG/KG

**DISP:** Moribund

**HISTO:** 861960

**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
Lung	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland

**OBSERVATIONS**

Eye		Cataract	Moderate
Note: CATARACT	TGLs = 3-13		
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 2-13		
Kidney	Cortex	Cyst	Mild
		Infarct	Mild
		Nephropathy	Minimal
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
Note: [ EOSIN FOCUS ]	TGLs = 5-5		
Note: [ HEPATOCLR ADEN ]	TGLs = 1-5+11		
Lymph Node	Mandibular	Hyperplasia	Macrophage, Moderate
Skin		Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 4-15		
Spleen		Cyst	Mild
Note: CYST	TGLs = 7-5		
Stomach	Forestomach	Squamous Cell Carcinoma	
Note: [ SQUAM CEL CARC ]	TGLs = 8-14		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 240

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 722

**DOSE:** 800MG/KG

**DISP:** Moribund

**HISTO:** 861960

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 241

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861961

**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	Lymph Node - Mandibular
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	Cortex	Hypertrophy	Mild
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: [ HEPATOCLR ADEN ] TGLs = 1,2,3,4-5+11+12			
Lung		Alveolar/Bronchiolar Adenoma	
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 242	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 438
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 861962

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Lymph Node - Mandibular	Mammary Gland	Mesentery
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**AUTO PRECLUDES DIAG.**

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

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**OBSERVATIONS**

Liver	Hepatocellular Adenoma
Note: [ HEPATOCLR ADEN ] TGLs = 1-2	

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 243

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861963

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland

**OBSERVATIONS**

Kidney	Medulla	Mineralization	Mild
		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN	TGLs = 2-11		
Note: HEPATOCLR ADEN	TGLs = 1-5		
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Developmental Malformation	
Note: DEVELOP MALFOR	TGLs = 3-5		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 244	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 489
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 861964

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Adrenal Gland - Medulla	Lymph Node - Mandibular
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**AUTO PRECLUDES DIAG.**

Gallbladder	Intestine Small - Duodenum
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**OBSERVATIONS**

Bone		Hepatocholangiocarcinoma	Metastatic (Liver)
Note: [ HEPATOCHOLCARC ] TGLs = 6-12			
Kidney		Hepatocholangiocarcinoma	Metastatic (Liver)
Note: [ HEPATOCHOLCARC ] TGLs = 2-1			
Liver		Hepatocholangiocarcinoma	
Note: [ HEPATOCHOLCARC ] TGLs = 1-2			
Lung		Hepatocholangiocarcinoma	Metastatic (Liver)
Note: [ HEPATOCHOLCARC ] TGLs = 3-11			
Lymph Node	Mesenteric	Hemorrhage	Mild
	Mediastinal	Hepatocholangiocarcinoma	Metastatic (Liver)
Skin		Hepatocholangiocarcinoma	Metastatic (Liver)
Stomach	Forestomach	Hyperkeratosis	Mild
Note: HYPERKERATOSIS TGLs = 5-6			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 245	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861965

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Liver
Lung	Lymph Node - Mandibular	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	

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Kidney		Nephropathy	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 247

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861967

**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	Lymph Node - Mandibular
Lymph Node - Mesenteric	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**

Intestine Large Note: INFLAMMATION TGLs = 6-13	Cecum	Inflammation	Chronic, Moderate
Kidney		Nephropathy	Minimal
Liver Note: HEPATOCLR ADEN TGLs = 3-5 Note: HEPATOCLR ADEN TGLs = 2-12 Note: [ EOSIN FOCUS ] TGLs = 5-5		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
Lung Note: ALV BRON ADEN TGLs = 1-6		Alveolar/Bronchiolar Adenoma	
Nose		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Moderate
Spleen Note: DEVELOP MALFOR TGLs = 4-5		Developmental Malformation	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 249

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861969

**ORGAN AND ACCOUNTABLE SITE STATUS**

**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	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland

**INSUFFICIENT TISSUE**

Lymph Node - Mesenteric

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Moderate
Kidney		Nephropathy	Minimal
Liver		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 2-12			
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-11			
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
	Forestomach	Inflammation	Suppurative, Mild
Note: INFLAMMATION TGLs = 5-13			
Note: HYPERPLASIA TGLs = 5-13			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 250

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861970

**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland

**OBSERVATIONS**

Eye	Antr Chamber	Edema	Moderate
	Cornea	Edema	Mild
Note: EDEMA TGLs = 1-12			
Harderian Gland		Adenoma	
Note: ADENOMA TGLs = 2-12			
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
Note: CLEAR CL FOCUS TGLs = 4-5			
Lung		Edema	Moderate
Note: EDEMA TGLs = 3-11			
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
	Forestomach	Inflammation	Suppurative, Mild
Note: INFLAMMATION TGLs = 6-14			
Note: HYPERPLASIA TGLs = 6-14			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 251	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 455
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Interval Sacrifice	<b>HISTO:</b> 861971

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

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**OBSERVATIONS**

Liver	Fatty Change	Mild
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 252

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861972

**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

**MISSING**

Mammary Gland

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 1,2,3-5			
Lung	Alveolar Epith	Hyperplasia	Minimal
Note: HYPERPLASIA TGLs = 6-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Developmental Malformation	
Note: DEVELOP MALFOR TGLs = 5-5			
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
	Forestomach	Inflammation	Suppurative, Mild
Note: INFLAMMATION TGLs = 7-12			
Note: HYPERPLASIA TGLs = 7-12			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:42  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 253

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861973

**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
Lymph Node - Mandibular	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**

Harderian Gland			
Note: HARDERIAN GLD ON SECTION OF NOSE, ADENOMA			
Kidney		Nephropathy	Minimal
Liver		Eosinophilic Focus	Minimal
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 2-11			
Note: HEPATOCLR ADEN TGLs = 1-5			
Lung		Alveolar/Bronchiolar Adenoma	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 254	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 645
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 861974

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Seminal Vesicle	Skin
Testes	Thymus	Thyroid Gland	Trachea

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**MISSING**

Mammary Gland

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**AUTO PRECLUDES DIAG.**

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

---

**OBSERVATIONS**

Bone Marrow		Hyperplasia	Neutrophil, Moderate
Heart		Inflammation	Suppurative, Mild
Kidney		Inflammation	Suppurative, Moderate
Liver		Inflammation	Suppurative, Mild
Lymph Node	Mesenteric	Congestion	Moderate
Note: CONGESTION TGLs = 3-7			
Prostate		Inflammation	Suppurative, Marked
Spleen		Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 1-11			
Stomach	Forestomach	Hyperkeratosis	Moderate
Note: HYPERKERATOSIS TGLs = 4-12			
Urinary Bladder		Inflammation	Suppurative, Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 255	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861975

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

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**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Kidney	Renal Tubule	Hyperplasia Nephropathy	Cystic, Minimal Minimal
Liver		Eosinophilic Focus Hepatocellular Adenoma	Mild
Note: EOSIN FOCUS TGLs = 2-5 Note: [ HEPATOCLR ADEN ] TGLs = 1-5			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach Forestomach	Hyperplasia Inflammation	Squamous, Moderate Suppurative, Mild
Note: INFLAMMATION TGLs = 3-4 Note: HYPERPLASIA TGLs = 3-4,11			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 256

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861976

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Pancreas  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Glandular  
Trachea

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pituitary Gland  
Skin  
Testes  
Urinary Bladder

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Liver  
Nose  
Prostate  
Spleen  
Thymus

**MISSING**

Mammary Gland

**OBSERVATIONS**

Epididymis	Infiltration Cellular	Lymphocyte, Minimal
Kidney	Nephropathy	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 257	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 652
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 861977

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Glandular	Thyroid Gland	Trachea	

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**MISSING**

Gallbladder	Intestine Large - Rectum	Mammary Gland	Thymus
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**AUTO PRECLUDES DIAG.**

Bone Marrow	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Pancreas	Seminal Vesicle
Skin	Spleen	Testes	Urinary Bladder

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**OBSERVATIONS**

Adrenal Gland Note: HYPERPLASIA TGLs = 5-3	Medulla	Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Mineralization	Mild
Liver Note: HEPATOCLR CARC TGLs = 2-5		Hepatocellular Carcinoma	
Lung Note: HEPATOCLR CARC TGLs = 1-6,11,12,13,14,15		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node Note: HEMORRHAGE TGLs = 4-7	Mesenteric	Hemorrhage	Marked
Stomach	Forestomach	Hyperplasia	Squamous, Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 258

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861978

**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	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			

**MISSING**

Lymph Node - Mandibular	Mammary Gland
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**OBSERVATIONS**

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Nephropathy	Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 259

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 716

**DOSE:** 800MG/KG

**DISP:** Dead

**HISTO:** 861979

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Islets, Pancreatic
Liver	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Skin	Thyroid Gland	Trachea	

**MISSING**

Lymph Node - Mesenteric	Mammary Gland	Pituitary Gland	Thymus
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**AUTO PRECLUDES DIAG.**

Epididymis	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Seminal Vesicle	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Urinary Bladder	

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 260	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861980

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Mammary Gland	Parathyroid Gland
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**INSUFFICIENT TISSUE**

Lymph Node - Mandibular

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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Necrosis	Minimal
Lymph Node	Mesenteric	Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 1-7			
Stomach	Forestomach	Hyperplasia	Squamous, Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 261

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 800MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 861981

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Pituitary Gland  
Skin  
Testes  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Nose  
Prostate  
Spleen  
Thymus

Bone  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Pancreas  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Bone Marrow  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Glandular  
Trachea

**MISSING**

Mammary Gland

**PRIMARY CAUSE OF DEATH** -

Animal Note: NO MICRO LESIONS.

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 262

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861982

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Heart  
Intestine Small - Duodenum  
Liver  
Nose  
Prostate  
Stomach - Glandular  
Urinary Bladder

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

Bone  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Parathyroid Gland  
Skin  
Thymus

Bone Marrow  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pituitary Gland  
Spleen  
Trachea

**MISSING**

Mammary Gland

**OBSERVATIONS**

Kidney  
Salivary Glands  
Stomach  
Thyroid Gland

Forestomach  
Follicular Cel

Nephropathy  
Infiltration Cellular  
Hyperplasia  
Adenoma

Minimal  
Lymphocyte, Minimal  
Squamous, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 263

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861983

**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
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland

**OBSERVATIONS**

Kidney	Cortex	Cyst	Mild
		Nephropathy	Minimal
Liver		Clear Cell Focus	Minimal
		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	
Note: [ HEPATOCLR ADEN ] TGLs = 2,3-5+13			
Lung		Liposarcoma	Metastatic (Tissue Nos)
Note: LIPOSARC TGLs = 5-12			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 4-5			
Tissue NOS		Liposarcoma	
Note: LIPOSARC TGLs = 1-11			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 264	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861984

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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 - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Stomach	Forestomach	Hyperplasia	Squamous, Mild

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 265

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 613

**DOSE:** 800MG/KG

**DISP:** Dead

**HISTO:** 861985

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Brain	Epididymis	Esophagus
Heart	Islets, Pancreatic	Lung	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Intestine Large - Rectum	Lymph Node - Mandibular	Mammary Gland
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**AUTO PRECLUDES DIAG.**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Skin			

**OBSERVATIONS**

Bone Marrow		Lymphoma Malignant	
Kidney		Lymphoma Malignant	
Liver		Hepatocellular Adenoma	
		Lymphoma Malignant	
Note: HEPATOCLR ADEN TGLs = 3-5			
Lymph Node	Mesenteric	Lymphoma Malignant	
Note: LYMPH MAL TGLs = 4-11			
Pancreas		Lymphoma Malignant	
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 2-12			
Seminal Vesicle		Lymphoma Malignant	
Spleen		Lymphoma Malignant	
Note: LYMPH MAL TGLs = 1-5			
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
Note: HYPERPLASIA TGLs = 7-4			
Thymus		Lymphoma Malignant	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 267

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861987

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland	Parathyroid Gland	Pituitary Gland
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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 4,5-5			
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 2-11			
Prostate		Infiltration Cellular	Lymphocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 268	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861988

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

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**MISSING**

Intestine Large - Cecum	Mammary Gland
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**OBSERVATIONS**

Kidney	Cortex	Cyst	Mild
		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN	TGLs = 2-12		
Note: HEPATOCLR ADEN	TGLs = 3-11		
Note: HEPATOCLR ADEN	TGLs = 4-5		
Lung		Alveolar/Bronchiolar Adenoma	
Preputial Gland	Duct	Dilatation	Marked
Note: DILATATION	TGLs = 1-13		
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Note: [ HYPERPLASIA ]	TGLs = 5-14		

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 269

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861989

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Cortex	Hyperplasia	Minimal
	Cortex	Hypertrophy	Minimal
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN	TGLs = 3-11		
Note: HEPATOCLR ADEN	TGLs = 1,2-5		
Pituitary Gland	Pars Distalis	Cyst	Mild
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILOMA SQUA	TGLs = 4-12		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 270

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861990

**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland

**INSUFFICIENT TISSUE**

Thymus

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Hepatoblastoma	
Note: HEPATOBLASTOMA TGLs = 2-11			
Lung		Neoplasm Nos	Metastatic (Liver)
Note: NEOPLASM IS METASTATIC HEPATOBLASTOMA			
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
Note: HYPERPLASIA TGLs = 3-12			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 272

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861992

**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	Lymph Node - Mandibular
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	Cortex	Hypertrophy	Mild
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 1-5		
Note: HEPATOCLR ADEN	TGLs = 3-5		
Lung		Alveolar/Bronchiolar Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 274	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861994

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Clear Cell Focus	Moderate
		Hepatocellular Adenoma	Multiple
Note: [ HEPATOCLR ADEN ] TGLs = 2,3,4-5+11+12			
Note: CLEAR CL FOCUS TGLs = 5-5			
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 1-13			
Stomach	Forestomach	Hyperplasia	Squamous, Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 275

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 861995

**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: [ HEPATOCLR ADEN ] TGLs = 2,3,4-5+12			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ ALV BRON CARC ] TGLs = 1-6+11			
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
	Forestomach	Inflammation	Suppurative, Mild
Note: HYPERPLASIA TGLs = 5-13			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 276

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** 800MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 861996

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	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**

Gallbladder	Mammary Gland
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**OBSERVATIONS**

Liver		Fatty Change	Mild
Lung	Alveolar Epith	Hyperplasia	Mild
Skin		Alopecia	Minimal

Note: ALOPECIA TGLs = 1-12

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 277	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861997

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Clear Cell Focus	Mild
	Hepatoblastoma	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
Note: HEPATOCLR ADEN TGLs = 1,2-5		
Note: HEPATOBLASTOMA IS IN ADENOMA		
Note: HEPATOCLR ADEN TGLs = 3-11		
Testes	Atrophy	Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 278

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 800MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 861998

**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	Lung	Lymph Node - Mandibular	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**

Liver	Hemorrhage	Mild
Note: LIVER LESION IS PROBABLY TRAUMATIC AT NECROPSY.		
Note: HEMORRHAGE TGLs = 2-2		
Skin	Alopecia	Mild
Note: ALOPECIA TGLs = 1-8		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 279	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 861999

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney	Renal Tubule	Carcinoma	
		Nephropathy	Minimal
Note: [ CARCINOMA ] TGLs = 1-11			
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 2,3-5			
Spleen		Developmental Malformation	
Note: DEVELOP MALFOR TGLs = 4-5			

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PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 280

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862000

**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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Nephropathy	Minimal
Liver		Clear Cell Focus	Mild
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1,2-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-6,11			
Stomach	Forestomach	Hyperplasia	Squamous, Marked
Note: [ HYPERPLASIA ] TGLs = 5-12			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05091-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,4-Dihydrocoumarin

CAS Number: 119-84-6

Date Report Requested: 10/19/2014

Time Report Requested: 13:36:43

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 281

TRT#: 5

SEX: Female

DAY ON TEST: 24

DOSE: VEHICLE CONTROL

DISP: Gavage Death

HISTO: 862001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Ovary  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Oviduct  
Salivary Glands  
Stomach - Glandular  
Uterus

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Pancreas  
Skin  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Nose  
Parathyroid Gland  
Spleen  
Thyroid Gland

MISSING

Lymph Node - Mandibular

Urinary Bladder

OBSERVATIONS

Lung  
Note: INFLAMMATION TGLs = 1-3  
Note: INFLAMMATION TGLs = 2-3  
Note: INFLAMMATION TGLs = 4-3

Inflammation

Suppurative, Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 282

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862002

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**OBSERVATIONS**

Brain		Hydrocephalus	Mild
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Note: HYPERPLASIA	TGLs = 2-11		
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 1-8		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 283

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 545

**DOSE:** VEHICLE CONTROL

**DISP:** Moribund

**HISTO:** 862003

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Eye	Gallbladder	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	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

**MISSING**

Ovary

**OBSERVATIONS**

Bone Marrow		Hyperplasia	Neutrophil, Marked
Brain	Meninges	Inflammation	Suppurative, Moderate
Ear		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 2-11		
Harderian Gland		Inflammation	Suppurative, Mild
Note: INFLAMMATION	TGLs = 1-12		
Liver		Inflammation	Chronic, Minimal
Lymph Node	Mandibular	Hyperplasia	Macrophage, Mild
Nose		Inflammation	Suppurative, Mild
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
	Forestomach	Inflammation	Suppurative, Mild
Note: INFLAMMATION	TGLs = 3-13		
Note: HYPERPLASIA	TGLs = 3-13		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 284

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 15

**DOSE:** VEHICLE CONTROL

**DISP:** Gavage Death

**HISTO:** 862004

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Ovary  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Oviduct  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Pancreas  
Skin  
Thymus  
Uterus

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

**AUTO PRECLUDES DIAG.**

Gallbladder

**OBSERVATIONS**

Lung

Inflammation

Suppurative, Mild

Note: INFLAMMATION TGLs = 2-3,1-3

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 285	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862005

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Uterus

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**OBSERVATIONS**

Adrenal Gland	Cortex	Hyperplasia	Mild
Intestine Small	Jejunum	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 8-4			
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 5-5		Mixed Cell Focus	Moderate
Note: [ MIXED CL FOCUS ] TGLs = 6-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-13			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 7-7			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Skin		Alopecia	Mild
Note: ALOPECIA TGLs = 1-11			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 286

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** VEHICLE CONTROL

**DISP:** Interval Sacrifice

**HISTO:** 862006

**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 - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Kidney		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Skin		Alopecia	Minimal
Note: ALOPECIA	TGLs = 1-8		
Note: ALOPECIA	TGLs = 2-8		
Uterus		Hydrometra	Moderate
Note: HYDROMETRA	TGLs = 3-5		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 287

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862007

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**OBSERVATIONS**

Liver		Hepatocellular Adenoma	
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
	Forestomach	Inflammation	Suppurative, Mild
Note: HYPERPLASIA	TGLs = 3-11		
Note: INFLAMMATION	TGLs = 3-11		
Uterus		Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 1-8		
Note: HYPERPLASIA	TGLs = 2-8		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 288

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862008

**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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Skin	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Brain		Compression	Moderate
Note: COMPRESSION	TGLs = 6-1		
Liver		Hepatocellular Adenoma	
Note: [ HEPATOCLR ADEN ]	TGLs = 7-5		
Lung		Infiltration Cellular	Lymphocyte, Mild
Mammary Gland		Lactation	Moderate
Note: LACTATION	TGLs = 1-7		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 5-3		
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA	TGLs = 2-5		
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
	Forestomach	Inflammation	Suppurative, Mild
Note: HYPERPLASIA	TGLs = 8-11		
Note: INFLAMMATION	TGLs = 8-11		
Thyroid Gland	Follicular Cel	Hyperplasia	Marked
Note: HYPERPLASIA	TGLs = 4-2		
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 3-8		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 288

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862008

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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:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 289

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862009

**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	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**OBSERVATIONS**

Kidney		Infiltration Cellular	Lymphocyte, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Ovary	Follicle	Cyst	Moderate
Note: CYST TGLs = 5-8			
Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 3-5			
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Mild
Note: INFLAMMATION TGLs = 4-4			
Note: HYPERPLASIA TGLs = 4-4			
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 1,2-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 290

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 674

**DOSE:** VEHICLE CONTROL

**DISP:** Moribund

**HISTO:** 862010

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 1-11		
Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA	TGLs = 2-5		
Uterus		Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 291	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862011

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**MISSING**

Parathyroid Gland

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**OBSERVATIONS**

Liver		Eosinophilic Focus	Moderate
Note: [ EOSIN FOCUS ] TGLs = 3-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 1-11			
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 292

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862012

**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**INSUFFICIENT TISSUE**

Parathyroid Gland

**OBSERVATIONS**

Adrenal Gland	Corticomed Jct	Hemorrhage	Moderate
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 2-5		
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC	TGLs = 5-11		
Ovary		Granulosa Cell Tumor Benign	
Note: GRANLSA TM BGN	TGLs = 4-8		
Spleen		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA	TGLs = 3-5		
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 6-8		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 293

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 455

**DOSE:** VEHICLE CONTROL

**DISP:** Interval Sacrifice

**HISTO:** 862013

**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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Ovary		Pigmentation	Ceroid, Mild
Note: PIGMENT	TGLs = 1-5		
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Inflammation	Suppurative, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 294

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** VEHICLE CONTROL

**DISP:** Interval Sacrifice

**HISTO:** 862014

**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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**OBSERVATIONS**

Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 1-12			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 2-5			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 295

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862015

**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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**OBSERVATIONS**

Spleen		Developmental Malformation	
Note: DEVELOP MALFOR TGLs = 4-5			
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
	Forestomach	Inflammation	Suppurative, Mild
Note: INFLAMMATION TGLs = 5-11			
Note: HYPERPLASIA TGLs = 5-11			
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 1,2-8			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 296

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 587

**DOSE:** VEHICLE CONTROL

**DISP:** Dead

**HISTO:** 862016

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Trachea	Urinary Bladder	Uterus	

**AUTO PRECLUDES DIAG.**

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Stomach - Glandular	Thyroid Gland	

**INSUFFICIENT TISSUE**

Thymus

**OBSERVATIONS**

Gallbladder		Lymphoma Malignant Undifferentiated Cell Type	
Heart		Mineralization	Moderate
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
Liver		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 5-5,13,14		
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 6-12		
Note: LYMPH MAL	TGLs = 2-11		
Pancreas		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 7-2,15		
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 3-5		
Ureter		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 4-6		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 296

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 587

**DOSE:** VEHICLE CONTROL

**DISP:** Dead

**HISTO:** 862016

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: AUTOLYTIC CHANGES MAKES TYPING OF MAL LYMPHOMA DIFFICULT

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 297	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 704
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Dead	<b>HISTO:</b> 862017

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Heart	Intestine Large - Colon	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder			

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**AUTO PRECLUDES DIAG.**

Gallbladder	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Kidney	Stomach - Glandular	

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**INSUFFICIENT TISSUE**

Thymus

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**OBSERVATIONS**

Adrenal Gland Note: CONGESTION TGLs = 6-3	Cortex	Congestion	Mild
Brain Note: COMPRESSION TGLs = 2-1		Compression	Moderate
Liver		Vacuolization Cytoplasmic	Moderate
Mammary Gland Note: LACTATION TGLs = 3-7		Lactation	Mild
Pituitary Gland Note: ADENOMA TGLs = 1-3	Pars Distalis	Adenoma	
Skin Note: TGL4 IS NORMAL SUBCUTANEOUS ADIPOSE TISSUE			
Spleen Note: DEVELOP MALFOR TGLs = 5-5		Developmental Malformation	
Uterus		Hyperplasia	Cystic, Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 299	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 605
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Dead	<b>HISTO:</b> 862019

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

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**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			

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**OBSERVATIONS**

Stomach	Forestomach	Hyperplasia	Squamous, Minimal
Note: HYPERPLASIA TGLs = 2-13			
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 1-8			

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 300	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862020

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Salivary Glands	Spleen	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

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**OBSERVATIONS**

Adrenal Gland	Corticomed Jct	Hemorrhage	Mild
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Skin		Alopecia	Mild
Note: ALOPECIA TGLs = 1-11			
Stomach	Forestomach	Inflammation	Suppurative, Mild
Note: INFLAMMATION TGLs = 3-12			
Thyroid Gland		Inflammation	Suppurative, Mild
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:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 301

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862021

**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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Ovary Note: CYST TGLs = 4-8	Follicle	Cyst	Mild
Parathyroid Gland		Hyperplasia	Moderate
Skin Note: ALOPECIA TGLs = 1-7		Alopecia	Moderate
Uterus Note: HYPERPLASIA TGLs = 2,3-8		Hyperplasia	Cystic, Marked

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 303

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862023

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**OBSERVATIONS**

Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-5			
Pituitary Gland	Pars Distalis	Adenoma	
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 2-7			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 304

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862024

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Islets, Pancreatic  
Nose  
Spleen  
Urinary Bladder

Bone  
Gallbladder  
Intestine Large - Rectum  
Lymph Node - Mandibular  
Parathyroid Gland  
Stomach - Forestomach

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mesenteric  
Pituitary Gland  
Thyroid Gland

Brain  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Mammary Gland  
Skin  
Trachea

**OBSERVATIONS**

Adrenal Gland  
Intestine Small  
Kidney  
Liver  
Lung  
Ovary  
    Note: CYST      TGLs = 1-8  
Pancreas  
Salivary Glands  
Stomach  
Thymus  
Uterus

Medulla  
Ileum  
  
Follicle  
  
  
Glandular

Necrosis  
Hyperplasia  
Infiltration Cellular  
Infiltration Cellular  
Hemorrhage  
Cyst  
  
Infiltration Cellular  
Infiltration Cellular  
Mineralization  
Hyperplasia  
Hyperplasia

Mild  
Lymphoid, Moderate  
Lymphocyte, Mild  
Lymphocyte, Mild  
Mild  
Moderate  
  
Lymphocyte, Mild  
Lymphocyte, Mild  
Minimal  
Lymphoid, Mild  
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 305	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 707
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Moribund	<b>HISTO:</b> 862025

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**OBSERVATIONS**

Adrenal Gland	Medulla	Congestion	Moderate
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-5			
Ovary		Pigmentation	Ceroid, Moderate
Spleen		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 2-5			
Uterus		Hyperplasia	Cystic, Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 306

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862026

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Adrenal Gland - Medulla	Pituitary Gland
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**OBSERVATIONS**

Ovary Note: CYST      TGLs = 2-8	Follicle	Cyst	Moderate
Spleen Note: HYPERPLASIA      TGLs = 1-5		Hyperplasia	Lymphoid, Mild
Stomach  Note: HYPERPLASIA      TGLs = 4-11 Note: INFLAMMATION      TGLs = 4-11	Forestomach Forestomach	Hyperplasia Inflammation	Squamous, Mild Suppurative, Mild
Uterus Note: HYPERPLASIA      TGLs = 3-8		Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 307

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862027

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pituitary Gland	Salivary Glands	Spleen
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Lymphocyte, Mild
Ovary	Follicle	Cyst	Moderate
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Skin		Alopecia	Mild
Note: ALOPECIA	TGLs = 1-7		
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Mild
Note: INFLAMMATION	TGLs = 3-11		
Note: HYPERPLASIA	TGLs = 3-11		
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 2-8		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 309

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862029

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Parathyroid Gland	Pituitary Gland
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**OBSERVATIONS**

Liver		Inflammation	Chronic, Mild
		Necrosis	Mild
Stomach	Forestomach	Hyperplasia	Squamous, Minimal
	Forestomach	Inflammation	Suppurative, Mild
Note: HYPERPLASIA	TGLs = 1-11		
Note: INFLAMMATION	TGLs = 1-11		
Uterus		Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 310

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862030

**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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Ovary	Follicle	Cyst	Moderate
Pituitary Gland	Pars Distalis	Hypertrophy	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Marked

Note: HYPERPLASIA TGLs = 1-8

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 312	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862032

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

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**OBSERVATIONS**

Ovary	Follicle	Cyst	Mild
Note: CYST      TGLs = 1-8			
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 313

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862033

**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	Lung
Mammary Gland	Nose	Ovary	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Kidney		Lymphoma Malignant Lymphocytic	
Liver		Lymphoma Malignant Lymphocytic	
Lymph Node	Lumbar	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Pancreatic	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL	TGLs = 2-12		
Note: LYMPH MAL	TGLs = 4-11		
Note: LYMPH MAL	TGLs = 3-12		
Pancreas		Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL	TGLs = 1-5		
Thymus		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Uterus		Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 314

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862034

**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Liver		Eosinophilic Focus	Mild
Note: [ EOSIN FOCUS ] TGLs = 3-5			
Lung		Hemorrhage	Mild
Ovary	Follicle	Cyst	Mild
Note: CYST TGLs = 1-8			
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 2-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 315

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** VEHICLE CONTROL

**DISP:** Interval Sacrifice

**HISTO:** 862035

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus

Bone  
Gallbladder  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

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

**MISSING**

Lymph Node - Mandibular

**OBSERVATIONS**

Heart  
Uterus  
Note: HYPERPLASIA TGLs = 1-5

Valve

Pigmentation  
Hyperplasia

Melanin, Multifocal, Mild  
Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 316	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 680
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Dead	<b>HISTO:</b> 862036

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Blood	Bone	Bone Marrow	Esophagus
Heart	Mammary Gland	Nose	Ovary
Pituitary Gland	Salivary Glands	Skin	Thyroid Gland
Trachea			

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**MISSING**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Lymph Node - Mandibular	Lymph Node - Mesenteric	Parathyroid Gland

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**AUTO PRECLUDES DIAG.**

Brain	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Pancreas
Stomach - Forestomach	Stomach - Glandular	Thymus	Urinary Bladder

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**OBSERVATIONS**

Liver		Basophilic Focus	Minimal
Lung		Hemorrhage	Moderate
Mesentery	Fat	Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 5-12			
Pancreas			
Note: TGL 3 IS PANCREAS			
Spleen		Inflammation	Suppurative, Mild
Note: INFLAMMATION TGLs = 2-5			
Uterus		Hyperplasia	Cystic, Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 317

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862037

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Skin	Spleen
Thymus	Thyroid Gland	Trachea	

**MISSING**

Pituitary Gland

**OBSERVATIONS**

Gallbladder		Infiltration Cellular	Lymphocyte, Minimal
Liver		Infiltration Cellular	Lymphocyte, Minimal
Ovary	Follicle	Cyst	Moderate
Note: CYST	TGLs = 3-8		
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Mild
Note: HYPERPLASIA	TGLs = 2-11		
Note: INFLAMMATION	TGLs = 2-11		
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA	TGLs = 1-8		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 319

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 597

**DOSE:** VEHICLE CONTROL

**DISP:** Dead

**HISTO:** 862039

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Esophagus	Gallbladder	Heart
Islets, Pancreatic	Kidney	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Pancreas
Salivary Glands	Skin	Spleen	Thymus

**MISSING**

Parathyroid Gland

**AUTO PRECLUDES DIAG.**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mesenteric	Pituitary Gland
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

**OBSERVATIONS**

Liver	Necrosis	Moderate
Uterus	Hydrometra	Marked

Note: HYDROMETRA TGLs = 1-8

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 320      **TRT#:** 5      **SEX:** Female      **DAY ON TEST:** 643  
**DOSE:** VEHICLE CONTROL      **DISP:** Dead      **HISTO:** 862040

**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
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Thyroid Gland	Trachea	Urinary Bladder	Uterus

**AUTO PRECLUDES DIAG.**

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Kidney
Stomach - Glandular			

**OBSERVATIONS**

Intestine Small	Duodenum	Lymphoma Malignant Mixed	
	Ileum	Lymphoma Malignant Mixed	
	Jejunum	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD    TGLs = 8-16			
Note: LYMPH MAL MIXD    TGLs = 8-13			
Note: LYMPH MAL MIXD    TGLs = 8-15			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD    TGLs = 2-11			
Note: LYMPH MAL MIXD    TGLs = 7-18			
Note: LYMPH MAL MIXD    TGLs = 3-14			
Spleen	Capsule	Fibrosis	Moderate
		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD    TGLs = 1-5			
Thymus		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD    TGLs = 4-3			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 322

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** VEHICLE CONTROL

**DISP:** Interval Sacrifice

**HISTO:** 862042

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

**OBSERVATIONS**

Liver  
Urinary Bladder  
Uterus

Infiltration Cellular  
Infiltration Cellular  
Hyperplasia

Lymphocyte, Mild  
Lymphocyte, Mild  
Cystic, Mild

Note: HYPERPLASIA TGLs = 1-5

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 323

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 639

**DOSE:** VEHICLE CONTROL

**DISP:** Moribund

**HISTO:** 862043

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Stomach - Glandular  
Urinary Bladder

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

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Salivary Glands  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Stomach - Forestomach  
Trachea

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Kidney  
Liver

Infiltration Cellular  
Eosinophilic Focus  
Infiltration Cellular  
Hematocyst  
Inflammation  
Schwannoma Malignant

Lymphocyte, Mild  
Minimal  
Lymphocyte, Minimal  
Mild  
Suppurative, Marked

Ovary  
Skin

Follicle  
Subcut Tiss

Hematopoietic Cell Proliferation  
Hyperplasia

Moderate  
Cystic, Mild

Note: SCHWANNOMA MAL TGLs = 2-11

Spleen

Note: HEMA CELL PROL TGLs = 1-5

Uterus

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 324

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 455

**DOSE:** VEHICLE CONTROL

**DISP:** Interval Sacrifice

**HISTO:** 862044

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Uterus		

**OBSERVATIONS**

Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver	Central Vein	Dilatation	Mild
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-2			
Note: DILATATION TGLs = 3-2			
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Skin		Alopecia	Minimal
Note: ALOPECIA TGLs = 1-8			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 325	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862045

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**OBSERVATIONS**

Liver		Histiocytic Sarcoma	
Note: [ HISTIO SARC ] TGLs = 2-3+5+12+13			
Mammary Gland		Adenoma	
Note: ADENOMA TGLs = 3-11			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-3			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Sarcoma Stromal	
Note: SARC STROMAL TGLs = 1-8			

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 327

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862047

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

**OBSERVATIONS**

Kidney		Infiltration Cellular	Lymphocyte, Moderate
Liver		Eosinophilic Focus	Mild
		Infiltration Cellular	Lymphocyte, Mild
Note: [ EOSIN FOCUS ] TGLs = 4-5			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 3-11			
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 1-5			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 2-8			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 328

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 455

**DOSE:** VEHICLE CONTROL

**DISP:** Interval Sacrifice

**HISTO:** 862048

**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	Lung	Lymph Node - Mandibular	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**

Urinary Bladder	Infiltration Cellular	Lymphocyte, Mild
Uterus	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 329

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862049

**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	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Parathyroid Gland
Pituitary Gland	Skin	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**OBSERVATIONS**

Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Eosinophilic Focus	Moderate
Note: [ EOSIN FOCUS ] TGLs = 2-5			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Ovary	Follicle	Hematocyst	Mild
Pancreas		Infiltration Cellular	Lymphocyte, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Mild
Note: INFLAMMATION TGLs = 3-11			
Note: HYPERPLASIA TGLs = 3-11			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 1-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 331	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862051

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

---

**OBSERVATIONS**

Kidney	Cortex	Cyst	Moderate
Liver		Eosinophilic Focus	Mild
Note: EOSIN FOCUS TGLs = 3-5			
Mammary Gland		Lactation	Mild
Ovary	Follicle	Hematocyst	Mild
Note: HEMATOCYST TGLs = 5-8			
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-3			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILOMA SQUA TGLs = 4-11			
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 2-8			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 332

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862052

**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	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

**OBSERVATIONS**

Adrenal Gland	Cortex	Hypertrophy	Moderate
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-5			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-3			
Spleen		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 4-5			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILOMA SQUA TGLs = 6-11			
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 5-2			
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 2-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 333

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 455

**DOSE:** VEHICLE CONTROL

**DISP:** Interval Sacrifice

**HISTO:** 862053

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Nose  
Pituitary Gland  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Ovary  
Skin  
Thymus

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Liver  
Mammary Gland  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

**OBSERVATIONS**

Kidney  
Salivary Glands  
Uterus

Infiltration Cellular  
Infiltration Cellular  
Hydrometra

Lymphocyte, Mild  
Lymphocyte, Moderate  
Marked

Note: HYDROMETRA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 335

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** VEHICLE CONTROL

**DISP:** Interval Sacrifice

**HISTO:** 862055

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**OBSERVATIONS**

Adrenal GI Note: A CELL			
Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver Note: HEPATOCLR ADEN TGLs = 2-2		Hepatocellular Adenoma	
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus Note: HYPERPLASIA TGLs = 1-5		Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 336

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862056

**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Skin
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**OBSERVATIONS**

Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3-5			
Lung		Infiltration Cellular	Lymphocyte, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-3			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hyperplasia	Lymphoid, Mild
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Chronic Active, Mild
Note: HYPERPLASIA TGLs = 4-11			
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 1-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 337

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862057

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

**OBSERVATIONS**

Liver  
Urinary Bladder  
Uterus

Infiltration Cellular  
Infiltration Cellular  
Hyperplasia

Lymphocyte, Minimal  
Lymphocyte, Minimal  
Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-8

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 338

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862058

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA	TGLs = 1-5		
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 2-8		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 339

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 674

**DOSE:** VEHICLE CONTROL

**DISP:** Moribund

**HISTO:** 862059

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pituitary Gland
Skin	Spleen	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Parathyroid Gland

**INSUFFICIENT TISSUE**

Thymus

**OBSERVATIONS**

Heart	Inflammation	Chronic Active, Mild
Kidney	Glomerulosclerosis	Mild
Liver	Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-16		
Lung	Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC TGLs = 2-6,11,12,13,14,15		
Pancreas	Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Squamous, Mild
	Forestomach	Suppurative, Mild
Note: HYPERPLASIA TGLs = 3-17		
Uterus	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 341	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 668
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Dead	<b>HISTO:</b> 862061

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone	Brain	Esophagus	Islets, Pancreatic
Kidney	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Trachea	Uterus

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**MISSING**

Adrenal Gland - Medulla

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**AUTO PRECLUDES DIAG.**

Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Stomach - Glandular	Thymus	Thyroid Gland	Urinary Bladder

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**OBSERVATIONS**

Adrenal Gland	Cortex	Lymphoma Malignant Undifferentiated Cell Type	
Bone Marrow		Hyperplasia	Mononuclear CI, Moderate
Liver		Lymphoma Malignant	
Note: LYMPH MAL	TGLs = 3-5		
Lung		Lymphoma Malignant	
Lymph Node	Mandibular	Lymphoma Malignant	
	Mesenteric	Lymphoma Malignant	
Note: LYMPH MAL	TGLs = 2-2		
Note: LYMPH MAL	TGLs = 4-7		
Spleen		Lymphoma Malignant	
Note: LYMPH MAL	TGLs = 1-5		

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**PRIMARY CAUSE OF DEATH**

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Animal Note: AUTOLYTIC CHANGE MAKES  
Animal Note: DIAGNOSIS OF MALIGNANT LYMPHOMA  
Animal Note: IMPOSSIBLE AS TO TYPE--LIVER, SPLEEN, LUNG, LYMPH NODES

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 342

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 117

**DOSE:** VEHICLE CONTROL

**DISP:** Dead

**HISTO:** 862062

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Lymph Node - Mesenteric

**AUTO PRECLUDES DIAG.**

Urinary Bladder

**OBSERVATIONS**

Eye	Cornea	Edema	Moderate
Note: EDEMA	TGLs = 1-10		
Intestine Large	Colon	Edema	Moderate
Thymus		Necrosis	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 343	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862063

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

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**OBSERVATIONS**

Liver	Bile Duct	Cyst	Mild
		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	
Note: CYST TGLs = 2-11			
Note: [ EOSIN FOCUS ] TGLs = 3-12			
Note: HEPATOCLR ADEN TGLs = 1-11,3-12			
Ovary	Follicle	Cyst	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus		Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 344

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862064

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

**OBSERVATIONS**

Kidney  
Liver  
    Note: HEPATOCLR ADEN   TGLs = 2-5,11  
Urinary Bladder  
Uterus  
    Note: HYPERPLASIA    TGLs = 1-8

Infiltration Cellular  
Hepatocellular Adenoma  
  
Infiltration Cellular  
Hyperplasia

Lymphocyte, Moderate  
  
  
Lymphocyte, Minimal  
Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 345

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862065

**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
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea			

**MISSING**

Thymus

**OBSERVATIONS**

Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 4-11			
Lymph Node	Mesenteric	Hyperplasia	Macrophage, Moderate
Ovary		Cystadenoma	
Note: CYSTADENOMA TGLs = 1-8			
Spleen		Hyperplasia	Macrophage, Moderate
Note: HYPERPLASIA TGLs = 3-5			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 346

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862066

**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	Kidney	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Adrenal Gland	Cortex	Pigmentation	Ceroid, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Skin		Alopecia	Mild
Note: ALOPECIA	TGLs = 1-7		
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 2-8		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 347

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862067

**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	Lung	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

**OBSERVATIONS**

Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Ovary	Follicle	Hematocyst	Mild
Pancreas		Atrophy	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-8

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 348	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862068

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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 - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**OBSERVATIONS**

Intestine Small	Ileum	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA	TGLs = 2-11		
Ovary	Follicle	Hematocyst	Mild
Pituitary Gland		Congestion	Mild
Note: CONGESTION	TGLs = 3-3		
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA	TGLs = 1-5		
Uterus		Hyperplasia	Cystic, Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 349

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862069

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**OBSERVATIONS**

Liver		Infiltration Cellular	Lymphocyte, Minimal
Ovary	Follicle	Cyst	Moderate
Note: CYST	TGLs = 2-8		
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA	TGLs = 1-5		
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 3-8		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 350

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 862070

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**OBSERVATIONS**

Kidney	Infiltration Cellular	Lymphocyte, Mild
Liver	Eosinophilic Focus	Minimal
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder	Infiltration Cellular	Lymphocyte, Mild
Uterus	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 351

**TRT#:** 6  
**DOSE:** 200MG/KG

**SEX:** Female  
**DISP:** Interval Sacrifice

**DAY ON TEST:** 456  
**HISTO:** 862071

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**OBSERVATIONS**

Ovary  
Note: CYST      TGLs = 2-5  
Uterus  
[ Hydrometra TGLS = 1-5 ]

Follicle

Cyst

Hydrometra

Moderate

Marked

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 352

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862072

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

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

**OBSERVATIONS**

Adrenal Gland  
Bone  
Urinary Bladder  
Uterus

Cortex

Pigmentation  
Osteopetrosis  
Infiltration Cellular  
Hyperplasia  
Polyp

Ceroid, Mild  
Mild  
Lymphocyte, Minimal  
Cystic, Mild

Note: POLYP      TGLs = 1-8

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 353

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 200MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862073

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**OBSERVATIONS**

Uterus

Hyperplasia

Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-5

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 354

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862074

**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
Lung	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**OBSERVATIONS**

Liver		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
	Mesenteric	Hyperplasia	Lymphoid, Moderate
	Lumbar	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 3-11			
Note: LYMPH MAL LYMP TGLs = 1-12			
Ovary	Follicle	Hematocyst	Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 2-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 355	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862075

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**OBSERVATIONS**

Liver		Infiltration Cellular	Lymphocyte, Minimal
Lung		Infiltration Cellular	Lymphocyte, Mild
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Glandular	Mineralization	Mild
Uterus		Hyperplasia	Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-8

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**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 356

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 590

**DOSE:** 200MG/KG

**DISP:** Moribund

**HISTO:** 862076

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Mammary Gland

**OBSERVATIONS**

Gallbladder		Lymphoma Malignant Lymphocytic	
Liver		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-5			
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: [ LYMPH MAL LYMP ] TGLs = 3-12			
Pancreas		Lymphoma Malignant	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-5			
Thymus		Lymphoma Malignant Lymphocytic	
Note: [ LYMPH MAL LYMP ] TGLs = 4-11			
Uterus		Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 357	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862077

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	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	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Liver		Eosinophilic Focus	Minimal
Ovary	Follicle	Hematocyst	Mild
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2,3-5			
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 1-8			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 359

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862079

**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	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

**MISSING**

Pituitary Gland

**OBSERVATIONS**

Adrenal Gland	Cortex	Cyst	Moderate
Liver		Infiltration Cellular	Lymphocyte, Minimal
Ovary	Follicle	Cyst	Mild
Note: CYST	TGLs = 2-8		
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 1-8		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 360	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 594
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 862080

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

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**INSUFFICIENT TISSUE**

Thymus

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**OBSERVATIONS**

Intestine Large	Cecum	Inflammation	Suppurative, Moderate
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
		Necrosis	Moderate
Note: EXTENSIVE NECROSIS OF TUMOR IN MEDIAN LOBE			
Note: NECROSIS TGLs = 1-5			
Note: HEPATOCLR ADEN TGLs = 1-5			
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Note: HYPERPLASIA TGLs = 2-12			
Uterus		Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 361

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862081

**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	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Intestine Large	Cecum	Hyperplasia	Lymphoid, Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-5			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 3-7			
Ovary	Follicle	Hematocyst	Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 1-8			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 362	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862082

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pituitary Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Urinary Bladder

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**MISSING**

Parathyroid Gland

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**OBSERVATIONS**

Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-5			
Ovary	Follicle	Cyst	Moderate
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Thyroid Gland	Follicle	Cyst	
Trachea		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 1-8			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 363

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862083

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

**INSUFFICIENT TISSUE**

Thymus

**OBSERVATIONS**

Liver		Clear Cell Focus	Moderate
		Hepatocellular Adenoma	
		Necrosis	Moderate
Note: HEPATOCLR ADEN TGLs = 2-5			
Note: CLEAR CL FOCUS TGLs = 3-5			
Note: EXTENSIVE NECROSIS OF TUMOR.			
Ovary	Follicle	Hematocyst	Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 1-5			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILOMA SQUA TGLs = 4-11			
Uterus		Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 364

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 437

**DOSE:** 200MG/KG

**DISP:** Moribund

**HISTO:** 862084

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

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

Bone  
Heart  
Intestine Small - Duodenum  
Liver  
Nose  
Salivary Glands  
Thyroid Gland

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Ovary  
Stomach - Forestomach  
Trachea

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Bone Marrow  
Kidney  
Lymph Node  
Skin  
    Note: INFLAMMATION   TGLs = 2-8  
Spleen  
    Note: INFLAMMATION   TGLs = 1-2  
Uterus  
    Note: HYPERPLASIA    TGLs = 3-5

Mesenteric

Hyperplasia  
Infiltration Cellular  
Inflammation  
Inflammation  
  
Inflammation  
  
Hyperplasia

Neutrophil, Moderate  
Lymphocyte, Mild  
Suppurative, Mild  
Suppurative, Marked  
  
Suppurative, Moderate  
  
Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 365

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 703

**DOSE:** 200MG/KG

**DISP:** Moribund

**HISTO:** 862085

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea			

**OBSERVATIONS**

Liver		Hepatocellular Adenoma	Multiple
Note: [ HEPATOCLR ADEN ] TGLs = 3,9-14			
Lymph Node	Mediastinal	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
Note: [ LYMPH MAL LYMP ] TGLs = 5-12			
Note: LYMPH MAL LYMP TGLs = 7-13			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Lymphoma Malignant Lymphocytic	
Note: [ LYMPH MAL LYMP ] TGLs = 1,2-5			
Thymus		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 4-3			
Thyroid Gland	Follicular Cel	Adenoma	
Note: ADENOMA TGLs = 6-11			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 367

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 721

**DOSE:** 200MG/KG

**DISP:** Moribund

**HISTO:** 862087

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Mild
	Cortex	Hypertrophy	Mild
Liver		Hepatocellular Adenoma	
		Lymphoma Malignant	
Note: LYMPH MAL TGLs = 3-5,12			
Note: HEPATOCLR ADEN TGLs = 6-11			
Lymph Node	Mesenteric	Lymphoma Malignant	
Note: LYMPH MAL TGLs = 7-7			
Ovary	Follicle	Cyst	Moderate
Note: CYST TGLs = 1-8			
Skin		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 4-13			
Spleen		Lymphoma Malignant	
Note: LYMPH MAL TGLs = 5-5			
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 2-8			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 368

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862088

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**OBSERVATIONS**

Kidney	Infiltration Cellular	Lymphocyte, Moderate
Liver	Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 1,2-5		
Pancreas	Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal
Spleen	Hyperplasia	Lymphoid, Mild
Uterus	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 3-8		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 369

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 200MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862089

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**OBSERVATIONS**

Uterus

Hydrometra

Moderate

[ Hydrometra TGLS = 1-5 ]

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 370

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862090

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	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	Lung
Lymph Node - Mandibular	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	Medulla	Pheochromocytoma Benign	
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 2,4-5			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Marked
Note: HYPERPLASIA TGLs = 5-7			
Ovary	Follicle	Hematocyst	Mild
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 1-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 371

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862091

**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	Lung
Lymph Node - Mandibular	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**

Kidney		Nephropathy	Mild
Liver		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
Note: HEPATOCLR ADEN TGLs = 2,3-5			
Note: VACUOLIZ CYTO TGLs = 4-5			
Ovary	Follicle	Hematocyst	Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 1-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 372

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862092

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 2-11		
Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Infiltration Cellular	Lymphocyte, Minimal
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 1-8		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 373

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862093

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Pituitary Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Heart	Atrium	Thrombosis	Moderate
Note: ATRIUM CONTAINS MULTIPLE THROMBI			
Kidney		Nephropathy	Mild
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 4-5			
Note: [ HEPATOCLR ADEN ] TGLs = 5-11,6-5			
Lung		Inflammation	Chronic, Moderate
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 2-12			
Ovary		Pigmentation	Ceroid, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 1-5			
Uterus		Congestion	Moderate
Note: CONGESTION TGLs = 3-8			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 375

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862095

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea

**OBSERVATIONS**

Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Infiltration Cellular	Lymphocyte, Minimal
Ovary	Follicle	Hematocyst	Mild
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-8

**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 376

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 200MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862096

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**OBSERVATIONS**

Uterus

Hyperplasia

Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-5

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 377

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862097

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Eye	Gallbladder
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pituitary Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 1-11		
Heart		Cardiomyopathy	Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 2-12		
Ovary	Follicle	Hematocyst	Mild
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 380

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862100

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Gallbladder		Infiltration Cellular	Lymphocyte, Mild
Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Infiltration Cellular	Lymphocyte, Minimal
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Ovary	Follicle	Cyst	Moderate
Note: CYST	TGLs = 3-8		
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Mild
Note: HYPERPLASIA	TGLs = 2-11		
Note: INFLAMMATION	TGLs = 2-11		
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 1-8		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 381	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862101

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Glandular	Thyroid Gland
Trachea			

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**OBSERVATIONS**

Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 4-5			
Ovary	Follicle	Cyst	Moderate
Note: CYST TGLs = 1-8			
Spleen		Developmental Malformation	
Note: DEVELOP MALFOR TGLs = 3-5		Hyperplasia	Lymphoid, Mild
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Thymus		Hyperplasia	Lymphoid, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 2-8			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 382

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862102

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Liver	Eosinophilic Focus	Mild
Note: EOSIN FOCUS TGLs = 2-5		
Uterus	Hydrometra	Marked
Note: HYDROMETRA TGLs = 1-8		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 383	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 632
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Moribund	<b>HISTO:</b> 862103

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Liver		Basophilic Focus	Marked
Note: [ BASOPH FOCUS ] TGLs = 4-5			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 3-11			
Note: SKIN MASS SHOWS SEVERE NECROSIS AND INFLAMMATION			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 1-5			
Stomach	Forestomach	Hyperplasia	Squamous, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
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:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 384

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 615

**DOSE:** 200MG/KG

**DISP:** Moribund

**HISTO:** 862104

**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Kidney		Necrosis	Coagulative, Mild
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC	TGLs = 1,2-6,11,12,13,14,15		
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Uterus		Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 387

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862107

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Mammary Gland	Nose
Parathyroid Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**OBSERVATIONS**

Heart		Infiltration Cellular	Lymphocyte, Minimal
Intestine Small	Duodenum	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 4-11			
Kidney		Infiltration Cellular	Lymphocyte, Moderate
Liver		Eosinophilic Focus	Mild
		Infiltration Cellular	Lymphocyte, Mild
Note: [ EOSIN FOCUS ] TGLs = 3-5			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
	Mesenteric	Hyperplasia	Lymphoid, Moderate
Ovary	Follicle	Hematocyst	Mild
Pancreas		Infiltration Cellular	Lymphocyte, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 2-5			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 1-8			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 388

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862108

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Gallbladder		Inflammation	Chronic, Mild
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 3-5			
Ovary	Periovarn Tiss	Hemorrhage	Mild
Note: HEMORRHAGE 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:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 389

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 717

**DOSE:** 200MG/KG

**DISP:** Moribund

**HISTO:** 862109

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Parathyroid Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

**OBSERVATIONS**

Brain		Hydrocephalus	Moderate
	Cerebellum	Necrosis	Coagulative, Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-5			
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-3			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hyperplasia	Lymphoid, Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 390

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862110

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Heart		Polyarteritis	Moderate
Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Intestine Small	Duodenum	Lymphoma Malignant	
Note: LYMPH MAL TGLs = 1-11			
Ovary		Cystadenoma	
Note: CYSTADENOMA TGLs = 2-12			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Spleen		Hyperplasia	Lymphoid, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 3-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 392

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862112

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

**OBSERVATIONS**

Liver  
Note: HEPATOCLR ADEN TGLs = 2-5  
Uterus  
Note: HYPERPLASIA TGLs = 1-8

Hepatocellular Adenoma  
Hyperplasia

Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 393

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862113

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Heart		Polyarteritis	Mild
Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Liver		Clear Cell Focus	Mild
		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild

Note: HYPERPLASIA TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 395

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862115

**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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**OBSERVATIONS**

Kidney		Necrosis	Coagulative, Mild
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Minimal
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 2-11			
Ovary	Follicle	Hematocyst	Moderate
Note: HEMATOCYST TGLs = 3-8			
Stomach	Forestomach	Squamous Cell Papilloma	
Uterus		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 396

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862116

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

**INSUFFICIENT TISSUE**

Lymph Node - Mandibular

**OBSERVATIONS**

Uterus

Hyperplasia

Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 397

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862117

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Ovary  
Skin  
Thymus

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Pituitary Gland  
Stomach - Forestomach  
Trachea

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Liver  
Note: HEPATOCLR ADEN TGLs = 2-5  
Uterus  
Note: HYPERPLASIA TGLs = 1-8

Hepatocellular Adenoma

Hyperplasia

Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 398

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 200MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862118

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**OBSERVATIONS**

Skin

Alopecia

Minimal

Note: ALOPECIA TGLs = 2-8

Uterus

Hyperplasia

Cystic, Mild

Note: HYPERPLASIA TGLs = 1-5

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 399

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862119

**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
Lung	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

**MISSING**

Lymph Node - Mandibular	Parathyroid Gland
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**OBSERVATIONS**

Liver		Eosinophilic Focus	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
		Inflammation	Chronic Active, Mild
Mesentery	Fat		
Note: INFLAMMATION	TGLs = 2-11		
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 1-8		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 400

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862120

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

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

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Salivary Glands  
Thyroid Gland

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Nose  
Skin  
Trachea

**OBSERVATIONS**

Bone  
Note: INFLAMMATION TGLs = 2-12  
Lung  
Note: ALV BRON ADEN TGLs = 3-11  
Ovary  
Pituitary Gland  
Spleen  
Note: HYPERPLASIA TGLs = 1-5  
Thymus  
Uterus

Follicle  
Pars Distalis

Inflammation  
Alveolar/Bronchiolar Adenoma  
Cyst  
Adenoma  
Hyperplasia  
Hyperplasia  
Hyperplasia

Chronic, Moderate  
Mild  
Lymphoid, Mild  
Lymphoid, Moderate  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 402	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862122

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

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**OBSERVATIONS**

Liver	Eosinophilic Focus	Mild
Note: [ EOSIN FOCUS ] TGLs = 2-5		
Lung	Infiltration Cellular	Lymphocyte, Mild
Pancreas	Infiltration Cellular	Lymphocyte, Mild
Salivary Glands	Infiltration Cellular	Lymphocyte, Mild
Spleen	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 1-5		
Urinary Bladder	Infiltration Cellular	Lymphocyte, Moderate
Uterus	Hyperplasia	Cystic, Moderate

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 403

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862123

**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	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Moderate
Note: BASOPH FOCUS TGLs = 1-5			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 2-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 404

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862124

**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 - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 3-11		
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 4-2.1		
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 2-8		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 405

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 671

**DOSE:** 200MG/KG

**DISP:** Moribund

**HISTO:** 862125

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**INSUFFICIENT TISSUE**

Parathyroid Gland

**OBSERVATIONS**

Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 2-11		
Liver		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	
Note: [ EOSIN FOCUS ]	TGLs = 5-14		
Note: HEPATOCLR ADEN	TGLs = 6-5		
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 4-13		
Lymph Node	Mandibular	Congestion	Mild
Note: CONGESTION	TGLs = 3-12		
Ovary	Follicle	Hematocyst	Mild
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA	TGLs = 1-8		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 406

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862126

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

**OBSERVATIONS**

Adrenal Gland	Medulla	Hemorrhage	Moderate
Liver		Eosinophilic Focus	Mild
Note: [ EOSIN FOCUS ] TGLs = 4-5			
Mesentery	Fat	Infiltration Cellular	Lymphocyte, Mild
	Fat	Necrosis	Mild
Note: NECROSIS TGLs = 1-11			
Note: INFILTRAT CELL TGLs = 1-11			
Ovary	Follicle	Cyst	Marked
Note: OVARIAN CYST IS MINERALIZED			
Note: CYST TGLs = 3-8			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hyperplasia	Lymphoid, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild
		Polyp	
Note: POLYP TGLs = 2-8			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 408

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862128

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver	Bile Duct	Cyst	Moderate
Note: CYST	TGLs = 2-5	Eosinophilic Focus	Minimal
Ovary		Cystadenoma	
Note: CYSTADENOMA	TGLs = 1-8		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-3		
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 409

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 685

**DOSE:** 200MG/KG

**DISP:** Dead

**HISTO:** 862129

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	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	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Mammary Gland

**OBSERVATIONS**

Heart	Mineralization	Mild
Liver	Hepatocellular Carcinoma	
	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2,3-5,11,12		
Spleen	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-5		
Stomach		
Note: FORESTOMACH WAS WITHIN NORMAL LIMITS.		
Thymus	Lymphoma Malignant Lymphocytic	
Uterus	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 411

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862131

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	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	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-5			
Ovary	Follicle	Hematocyst	Moderate
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 1-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 412

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 720

**DOSE:** 200MG/KG

**DISP:** Moribund

**HISTO:** 862132

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Bone Marrow	Brain	Esophagus
Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Adrenal Gland	Cortex	Lymphoma Malignant Mixed	
	Medulla	Lymphoma Malignant Mixed	
Heart		Mineralization	Moderate
Islets, Pancreatic		Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 2-5,12,13		
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Pancreas		Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 1-5		
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Mild
Thymus		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 3-11		
Uterus		Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 413

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 200MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862133

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Kidney		Infiltration Cellular	Lymphocyte, Moderate
Liver		Mixed Cell Focus	Marked
Note: [ MIXED CL FOCUS ] TGLs = 5-5			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Marked
Note: HYPERPLASIA TGLs = 4-11			
Spleen		Developmental Malformation	
Note: DEVELOP MALFOR TGLs = 2-5		Hyperplasia	Lymphoid, Mild
Thymus		Hemorrhage	Moderate
Note: HEMORRHAGE TGLs = 3-3			
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 1-8			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 414

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 455

**DOSE:** 200MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862134

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**OBSERVATIONS**

Skin

Alopecia

Moderate

Note: ALOPECIA TGLs = 1-8

Uterus

Hyperplasia

Cystic, Mild

Note: HYPERPLASIA TGLs = 2-5

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 415	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862135

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Kidney	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

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**OBSERVATIONS**

Intestine Large	Cecum	Hyperplasia	Lymphoid, Mild
Islets, Pancreatic		Adenoma	
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-5			
Lymph Node	Mesenteric	Hyperplasia	Macrophage, Moderate
Ovary	Follicle	Cyst	Mild
Note: CYST TGLs = 3-8			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Mild
Note: HYPERPLASIA TGLs = 2-8			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 418	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862138

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Islets, Pancreatic	Kidney	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Parathyroid Gland	Pituitary Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

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**OBSERVATIONS**

Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Intestine Small	Jejunum	Hyperplasia	Lymphoid, Moderate
Liver		Mixed Cell Focus	Moderate
Note: [ MIXED CL FOCUS ] TGLs = 2-5			
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 1-8			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 419	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862139

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

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**OBSERVATIONS**

Liver		Eosinophilic Focus	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Developmental Malformation	
Note: DEVELOP MALFOR TGLs = 1-5			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 420	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 200MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862140

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Kidney	Liver	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Pituitary Gland

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**OBSERVATIONS**

Adrenal Gland	Cortex	Hyperplasia	Moderate
Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Intestine Small	Jejunum	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 2-11			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-12			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 4-7			
Ovary	Follicle	Cyst	Marked
Note: CYST TGLs = 5-8			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 1-8			

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 421	<b>TRT#:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862141

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

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**OBSERVATIONS**

Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Kidney		Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Minimal
Liver		Inflammation	Suppurative, Minimal
Ovary	Follicle	Cyst	Moderate
Note: CYST	TGLs = 2-8		
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 1-8		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 422

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 400MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862142

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**OBSERVATIONS**

Liver [ Hepatocellular Adenoma TGLS = 2-2 ] Hepatocellular Adenoma

Uterus Hyperplasia Cystic, Mild

Note: HYPERPLASIA TGLs = 1-5

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 423

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862143

**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	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	Urinary Bladder

**MISSING**

Lymph Node - Mandibular

**OBSERVATIONS**

Kidney		Necrosis	Coagulative, Mild
Liver		Hepatocellular Adenoma	Multiple
Note: [ HEPATOCLR ADEN ] TGLs = 2,3-12+13			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Marked
Note: HYPERPLASIA TGLs = 4-11			
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 1-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 424

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862144

**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 - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Mammary Gland	Nose	Ovary
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

**MISSING**

Intestine Small - Ileum	Parathyroid Gland
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**OBSERVATIONS**

Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-7			
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 1-8			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 425

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 515

**DOSE:** 400MG/KG

**DISP:** Moribund

**HISTO:** 862145

**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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Bone		Osteosarcoma	
Note: OSTEOSARC	TGLs = 3-10,13		
Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Infiltration Cellular	Lymphocyte, Mild
		Mixed Cell Focus	Mild
Lung		Osteosarcoma	Metastatic (Bone)
Spinal Cord		Degeneration	Moderate
		Demyelination	Mild
Note: SPINAL CORD LUMBAR TAKEN ANTERIOR TO VERTEBRAL LESION			
Spleen		Hyperplasia	Lymphoid, Moderate
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Chronic Active, Mild
Urinary Bladder		Dilatation	Marked
Note: DILATATION	TGLs = 1-5		
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 2-5		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 426

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862146

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**OBSERVATIONS**

Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 4-11		
Ovary		Luteoma	
Note: LUTEOMA	TGLs = 1-8		
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Chronic Active, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 2,3-8		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 428

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862148

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Liver		Eosinophilic Focus	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-12			
Note: HEPATOCLR ADEN TGLs = 2-11,4-5			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Mild
Note: INFLAMMATION TGLs = 5-13			
Note: HYPERPLASIA TGLs = 5-13			
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 429

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862149

**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	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

**MISSING**

Lymph Node - Mandibular	Lymph Node - Mesenteric
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**OBSERVATIONS**

Lung		Hyperplasia	Macrophage, Minimal
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild

Note: HYPERPLASIA TGLs = 1-8

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 430

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862150

**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	Lung	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**MISSING**

Lymph Node - Mandibular

**OBSERVATIONS**

Ovary	Follicle	Hematocyst	Mild
Note: HEMATOCYST	TGLs = 2-8		
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 1-8		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 431

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862151

**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	Lung	Lymph Node - Mandibular	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**

Ovary		Cystadenoma	
Note: CYSTADENOMA	TGLs = 1-8		
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 2-8		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 432

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 444

**DOSE:** 400MG/KG

**DISP:** Moribund

**HISTO:** 862152

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Ovary  
Skin  
Thymus

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Pituitary Gland  
Stomach - Forestomach  
Trachea

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Liver  
Note: HEPATOCLR CARC TGLs = 1-12  
Uterus

Hepatocellular Carcinoma  
Hyperplasia

Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 433	<b>TRT#:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862153

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**OBSERVATIONS**

Kidney		Necrosis	Coagulative, Mild
Liver		Hepatocellular Adenoma	Multiple
Note: [ HEPATOCLR ADEN ] TGLs = 1,2,4-5+11			
Lung		Alveolar/Bronchiolar Adenoma	
Ovary	Follicle	Cyst	Moderate
Note: CYST TGLs = 3-8			
Stomach	Glandular	Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 434

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862154

**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
Lung	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

**MISSING**

Parathyroid Gland

**INSUFFICIENT TISSUE**

Lymph Node - Mandibular

**OBSERVATIONS**

Liver		Eosinophilic Focus Hepatocellular Adenoma	Moderate
Note: HEPATOCLR ADEN TGLs = 2-5,3-11			
Note: [ EOSIN FOCUS ] TGLs = 3-5+11			
Ovary	Follicle	Hematocyst	Mild
Note: HEMATOCYST TGLs = 4-12			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 1-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 436

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862156

**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	Parathyroid Gland	Pituitary Gland	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

**MISSING**

Lymph Node - Mandibular

**OBSERVATIONS**

Kidney		Infiltration Cellular	Lymphocyte, Mild
Ovary	Follicle	Cyst	Marked
Note: CYST TGLs = 2-8			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 1-11			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 437

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 400MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862157

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**OBSERVATIONS**

Skin

Alopecia

Minimal

Note: ALOPECIA TGLs = 2-8

Note: ALOPECIA TGLs = 3-8

Uterus

Hydrometra

Marked

[ Hydrometra TGLS = 1-5 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 438

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862158

**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	Lung	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

**MISSING**

Lymph Node - Mandibular	Parathyroid Gland
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**OBSERVATIONS**

Ovary	Follicle	Cyst	Moderate
Note: CYST TGLs = 1-8			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 2-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 439

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862159

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Harderian Gland Note: ADENOMA TGLs = 4-12	Adenoma	
Liver Note: HEPATOCLR ADEN TGLs = 2-5	Hepatocellular Adenoma	
Lung Note: CONGESTION TGLs = 1-6	Congestion	Minimal
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal
Uterus Note: HYPERPLASIA TGLs = 3-8	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 440

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 400MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862160

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**OBSERVATIONS**

Stomach  
Note: HYPERKERATOSIS TGLs = 2-12

Forestomach

Hyperkeratosis

Mild

Uterus  
Note: HYPERPLASIA TGLs = 1-5

Hyperplasia

Cystic, Moderate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 441

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862161

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**OBSERVATIONS**

Liver		Hepatocellular Adenoma Inflammation	Suppurative, Minimal
Note: HEPATOCLR ADEN TGLs = 2-11			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 1-12			
Uterus		Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 442

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862162

**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	Lung
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea		

**MISSING**

Lymph Node - Mandibular	Parathyroid Gland
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**OBSERVATIONS**

Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-13			
Mesentery	Fat	Necrosis	Marked
Note: NECROSIS TGLs = 2-12			
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 443	<b>TRT#:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862163

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Gallbladder

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**OBSERVATIONS**

Adrenal Gland	Cortex	Hypertrophy	Moderate
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 1-5		
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 444

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 665

**DOSE:** 400MG/KG

**DISP:** Dead

**HISTO:** 862164

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Esophagus	Heart	Nose
Salivary Glands			

**AUTO PRECLUDES DIAG.**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

**INSUFFICIENT TISSUE**

Ovary

**OBSERVATIONS**

Liver	Autolysis	Marked
	Neoplasm Nos	

Note: AUTOLYSIS TGLs = 2-11

Note: PATTERN OF NEOPLASM IS SUGGESTIVE OF

Note: NEOPLASM TGLs = 3,4,6-5

Note: MAL LYMPHOMA BUT AUTOLYSIS IS ADVANCED.

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 446

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 717

**DOSE:** 400MG/KG

**DISP:** Moribund

**HISTO:** 862166

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Bone Marrow	Brain	Clitoral Gland
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 - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Mild
Bone		Osteopetrosis	Mild
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 2-11			
Spleen		Hyperplasia	Erythrocyte, Moderate
Note: HYPERPLASIA TGLs = 1-5			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Minimal
Note: HYPERPLASIA TGLs = 3-8			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 447

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862167

**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	Lung
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Parathyroid Gland	Pituitary Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

**MISSING**

Lymph Node - Mandibular

**OBSERVATIONS**

Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 1-5			
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
		Infiltration Cellular	Lymphocyte, Moderate
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 449

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 694

**DOSE:** 400MG/KG

**DISP:** Moribund

**HISTO:** 862169

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

**OBSERVATIONS**

Bone		Hyperplasia	Mild
		Necrosis	Mild
Note: HYPERPLASIA	TGLs = 1-12		
Note: NECROSIS	TGLs = 1-12		
Liver		Eosinophilic Focus	Mild
Ovary	Follicle	Cyst	Mild
Note: CYST	TGLs = 2-8		
Pancreas		Atrophy	Marked
Skeletal Muscle		Necrosis	Mild
Note: NECROSIS	TGLs = 1-12		
Thymus		Atrophy	Marked
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 3-11		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 450	<b>TRT#:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862170

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**OBSERVATIONS**

Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Liver		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 4,5-5			
Note: [ EOSIN FOCUS ] TGLs = 5-5			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 3-11			
Skin	Subcut Tiss	Hemangioma	
Note: HEMANGIOMA TGLs = 1-12			
Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 2-5			
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 6-8			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 451	<b>TRT#:</b> 7 <b>DOSE:</b> 400MG/KG	<b>SEX:</b> Female <b>DISP:</b> Dead	<b>DAY ON TEST:</b> 687 <b>HISTO:</b> 862171
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Islets, Pancreatic	Liver
Lung	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Thymus	Thyroid Gland	Trachea	Uterus

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**AUTO PRECLUDES DIAG.**

Brain	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Lymph Node - Mesenteric	Pituitary Gland	Stomach - Forestomach
Stomach - Glandular	Urinary Bladder		

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**OBSERVATIONS**

Clitoral Gland		Carcinoma	
Note: [ CARCINOMA ] TGLs = 1-11			
Lymph Node	Lumbar	Carcinoma	Metastatic (Clitoral Gland)
	Mandibular	Hyperplasia	Lymphoid, Moderate
Note: [ CARCINOMA ] TGLs = 2-12			
Spleen		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 3-5			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 452	<b>TRT#:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 694
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 862172

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Nose	Ovary	Salivary Glands
Spleen	Thymus	Thyroid Gland	Trachea

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**MISSING**

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

Brain	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mesenteric	Pancreas	Pituitary Gland
Skin	Stomach - Glandular	Urinary Bladder	

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**OBSERVATIONS**

Kidney		Glomerulosclerosis	Marked
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
Note: HYPERPLASIA 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:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 453

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862173

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Thymus	Thyroid Gland
Trachea			

**OBSERVATIONS**

Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Lymphocyte, Moderate
Note: HEPATOCLR ADEN TGLs = 2-5			
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Glandular	Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 1-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 455

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862175

**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pituitary Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Kidney		Infiltration Cellular	Lymphocyte, Mild
Lung		Infiltration Cellular	Lymphocyte, Mild
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA	TGLs = 1-5		
Thyroid Gland	Follicle	Cyst	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 457

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862177

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Eye

**OBSERVATIONS**

Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 3-11		
Liver		Eosinophilic Focus	Minimal
Note: EOSIN FOCUS	TGLs = 5-5		
Ovary	Follicle	Cyst	Moderate
Note: CYST	TGLs = 1-8		
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 458

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 400MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862178

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**OBSERVATIONS**

Uterus

Hyperplasia

Cystic, Mild

Note: HYPERPLASIA TGLs = 1-5

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 459

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862179

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Kidney		Necrosis	Coagulative, Mild
Liver		Clear Cell Focus	Mild
		Hepatocellular Adenoma	
Note: [ HEPATOCLR ADEN ] TGLs = 3-5			
Note: CLEAR CL FOCUS TGLs = 4-5			
Skin		Alopecia	Mild
Note: ALOPECIA TGLs = 1-11			
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Mild
Note: INFLAMMATION TGLs = 5-12			
Note: HYPERPLASIA TGLs = 5-12			
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 2-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 460

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862180

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Ovary  
Skin  
Thymus  
Uterus

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Pituitary Gland  
Stomach - Forestomach  
Trachea

**INSUFFICIENT TISSUE**

Parathyroid Gland

**OBSERVATIONS**

Liver Eosinophilic Focus

Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 461

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862181

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Kidney	Infiltration Cellular	Lymphocyte, Mild
Liver	Hepatocellular Adenoma	Multiple
	Infiltration Cellular	Lymphocyte, Moderate
Note: HEPATOCLR ADEN TGLs = 3,4-5		
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal
Spleen	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 1-5		
Uterus	Hydrometra	Moderate
Note: HYDROMETRA TGLs = 2-8		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 462

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862182

**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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Ovary	Follicle	Cyst	Mild
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild

Note: HYPERPLASIA TGLs = 1-8

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 463

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862183

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

**MISSING**

Adrenal Gland - Cortex	Adrenal Gland - Medulla
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**OBSERVATIONS**

Liver		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
Note: EOSIN FOCUS TGLs = 3-5			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-3			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 1-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 465

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862185

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	

**OBSERVATIONS**

Liver		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Thyroid Gland	Follicular Cel	Adenoma	
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild

Note: HYPERPLASIA TGLs = 1-8

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 466

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 455

**DOSE:** 400MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862186

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**OBSERVATIONS**

Uterus

Hyperplasia

Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-5

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:43  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 470

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862190

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

**OBSERVATIONS**

Kidney	Nephropathy	Mild
Liver	Infiltration Cellular	Lymphocyte, Mild
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal
Thyroid Gland	Infiltration Cellular	Lymphocyte, Mild
Uterus	Hyperplasia	Cystic, Marked

Note: HYPERPLASIA TGLs = 1-8

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 471

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 700

**DOSE:** 400MG/KG

**DISP:** Dead

**HISTO:** 862191

**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	Islets, Pancreatic	Kidney	Mammary Gland
Nose	Ovary	Pituitary Gland	Skin
Thyroid Gland	Trachea		

**MISSING**

Intestine Small - Jejunum	Parathyroid Gland
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**AUTO PRECLUDES DIAG.**

Stomach - Glandular

**OBSERVATIONS**

Liver		Hepatocellular Adenoma	
		Lymphoma Malignant Lymphocytic	
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 3-12		
Note: LYMPH MAL LYMP	TGLs = 2-2		
Note: LYMPH MAL LYMP	TGLs = 4-13		
Note: LYMPH MAL LYMP	TGLs = 7-11		
Pancreas		Lymphoma Malignant Lymphocytic	
Salivary Glands		Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 1-5		
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
Thymus		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 5-14		
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 471

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 700

**DOSE:** 400MG/KG

**DISP:** Dead

**HISTO:** 862191

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Uterus

Hyperplasia

Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 472

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 400MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862192

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**OBSERVATIONS**

Uterus

Hydrometra

Marked

[ Hydrometra TGLS = 1-5 ]

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 473

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862193

**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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**OBSERVATIONS**

Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Skin		Alopecia	Mild
		Hyperplasia	Squamous, Mild
Note: ALOPECIA	TGLs = 1-12		
Note: HYPERPLASIA	TGLs = 2-11		
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 3-8		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 475

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862195

**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 - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

**OBSERVATIONS**

Intestine Small Note: LYMPH MAL LYMP TGLs = 1-11	Ileum	Lymphoma Malignant Lymphocytic	
Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver Note: HEPATOCLR ADEN TGLs = 2-5		Hepatocellular Adenoma	Multiple
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Ovary	Follicle	Cyst	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 476

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862196

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Parathyroid Gland	Pituitary Gland
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

**OBSERVATIONS**

Liver		Infiltration Cellular	Lymphocyte, Minimal
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Moderate
Skin		Alopecia	Mild
Note: ALOPECIA	TGLs = 1-13		
Note: ALOPECIA	TGLs = 2-12		
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 477

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862197

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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 - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Pituitary Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

**MISSING**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Parathyroid Gland
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**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Salivary Glands	Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder	Infiltration Cellular	Lymphocyte, Mild
Uterus	Hyperplasia	Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-8

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 478

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862198

**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
Lung	Lymph Node - Mandibular	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**

Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-5			
Ovary	Follicle	Hematocyst	Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 1-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 480

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862200

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**OBSERVATIONS**

Kidney	Metaplasia	Cartilagenous, Mild
Liver Note: HEPATOCLR CARC TGLs = 1-5	Hepatocellular Carcinoma	
Uterus Note: HYPERPLASIA TGLs = 2-8	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 481

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862201

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	

**MISSING**

Parathyroid Gland

**INSUFFICIENT TISSUE**

Thymus

**OBSERVATIONS**

Harderian Gland	Adenoma	
Note: ADENOMA TGLs = 2-11		
Liver	Eosinophilic Focus	Mild
	Hepatocellular Adenoma	Multiple
	Mixed Cell Focus	Mild
Note: [ EOSIN FOCUS ] TGLs = 4-12		
Note: HEPATOCLR ADEN TGLs = 3-12		
Urinary Bladder	Infiltration Cellular	Lymphocyte, Minimal
Uterus	Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 1-8		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 482

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862202

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Kidney	Infiltration Cellular	Lymphocyte, Mild
Liver	Hepatocellular Adenoma	
	Infiltration Cellular	Lymphocyte, Minimal
Note: HEPATOCLR ADEN TGLs = 1-5		
Pancreas	Infiltration Cellular	Lymphocyte, Mild
Salivary Glands	Infiltration Cellular	Lymphocyte, Mild
Uterus	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 483	<b>TRT#:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862203

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

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**MISSING**

Parathyroid Gland

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**OBSERVATIONS**

Liver		Eosinophilic Focus Hepatocellular Adenoma	Moderate
Note: HEPATOCLR ADEN TGLs = 2-11			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Ovary	Follicle	Hematocyst	Moderate
Note: HEMATOCYST TGLs = 1-8			
Thymus		Hyperplasia	Lymphoid, Mild
Uterus		Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 484

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862204

**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
Lung	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Lymph Node - Mandibular	Parathyroid Gland
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**OBSERVATIONS**

Liver	Hepatocellular Adenoma	Multiple
	Infiltration Cellular	Lymphocyte, Moderate
Note: HEPATOCLR ADEN TGLs = 1,2-11		
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal
Uterus	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 485

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862205

**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
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Liver		Necrosis	Marked
Note: NECROSIS	TGLs = 2-5,11		
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 1-8.1		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 486

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 538

**DOSE:** 400MG/KG

**DISP:** Dead

**HISTO:** 862206

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Thyroid Gland	Trachea		

**MISSING**

Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Lymph Node - Mesenteric
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**AUTO PRECLUDES DIAG.**

Bone Marrow	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Jejunum	Islets, Pancreatic	Stomach - Forestomach	Stomach - Glandular

**OBSERVATIONS**

Adrenal Gland	Cortex	Lymphoma Malignant Lymphocytic
Heart		Lymphoma Malignant Lymphocytic
Kidney		Lymphoma Malignant Lymphocytic
Liver		Lymphoma Malignant Lymphocytic
Lung		Lymphoma Malignant Lymphocytic
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic
	Mediastinal	Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP TGLs = 1-11,12		
Ovary		Lymphoma Malignant Lymphocytic
Pancreas		Lymphoma Malignant Lymphocytic
Salivary Glands		Lymphoma Malignant Lymphocytic
Skin	Subcut Tiss	Lymphoma Malignant Lymphocytic
Spleen		Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP TGLs = 3-5		
Thymus		Lymphoma Malignant Lymphocytic
Urinary Bladder		Lymphoma Malignant Lymphocytic
Uterus		Lymphoma Malignant Lymphocytic

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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**ANIMAL ID:** 487

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 400MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862207

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**OBSERVATIONS**

Liver  
Note: BASOPH FOCUS TGLs = 3-12

Basophilic Focus

Mild

Ovary  
[ Cyst TGLS = 1-5 ]

Follicle

Cyst

Moderate

Uterus  
[ Hydrometra TGLS = 2-5 ]

Hydrometra

Marked

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 488

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 400MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862208

**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
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**OBSERVATIONS**

Liver Note: [ HEPATOCLR ADEN ] TGLs = 5,6-13+14		Hepatocellular Adenoma	Multiple
Lymph Node Salivary Glands Skin Note: INFLAMMATION TGLs = 1-11	Mesenteric	Hyperplasia Infiltration Cellular Inflammation	Lymphoid, Moderate Lymphocyte, Minimal Chronic Active, Marked
Spleen Note: HYPERPLASIA TGLs = 3-5		Hyperplasia	Lymphoid, Mild
Tissue NOS Note: FIBROMA TGLs = 2-12		Fibroma	
Uterus Note: HYPERPLASIA TGLs = 4-8		Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 489	<b>TRT#:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 400MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862209

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

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**INSUFFICIENT TISSUE**

Gallbladder	Thymus
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**OBSERVATIONS**

Bone Marrow		Hyperplasia	Erythrocyte, Mild
Heart		Cardiomyopathy	Minimal
Kidney		Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Minimal
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 3-5		
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Ovary	Follicle	Cyst	Marked
Note: CYST	TGLs = 2-8		
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 1-5		
Thyroid Gland	Follicle	Cyst	Mild
Uterus		Hydrometra	Moderate

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 492

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862212

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

**OBSERVATIONS**

Liver		Infiltration Cellular	Lymphocyte, Minimal
Ovary		Pigmentation	Ceroid, Moderate
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-8

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 493

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 455

**DOSE:** 800MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862213

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Ovary  
Skin  
Thymus

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Thyroid Gland

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Nose  
Salivary Glands  
Stomach - Glandular

**MISSING**

Gallbladder                      Lymph Node - Mandibular

**OBSERVATIONS**

Pancreas	Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder	Infiltration Cellular	Lymphocyte, Mild
Uterus	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**                      -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 494	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862214

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

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**OBSERVATIONS**

Ovary	Follicle	Hematocyst	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-8

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 495

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 646

**DOSE:** 800MG/KG

**DISP:** Moribund

**HISTO:** 862215

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**OBSERVATIONS**

Brain		Compression	Moderate
Note: COMPRESSION	TGLs = 2-1		
Liver	Perivascular	Fibrosis	Mild
		Infiltration Cellular	Lymphocyte, Mild
Mammary Gland		Lactation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-3		
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
	Forestomach	Inflammation	Suppurative, Mild
Note: HYPERPLASIA	TGLs = 3-4		
Note: INFLAMMATION	TGLs = 3-4		
Uterus		Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 496

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 800MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862216

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Mammary Gland  
Pituitary Gland  
Stomach - Glandular

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Nose  
Skin  
Thymus

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Ovary  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

**OBSERVATIONS**

Pancreas  
Salivary Glands  
Urinary Bladder  
Uterus

Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular  
Hyperplasia

Lymphocyte, Mild  
Lymphocyte, Mild  
Lymphocyte, Mild  
Cystic, Mild

Note: HYPERPLASIA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 497

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862217

**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
Lung	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pituitary Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

**MISSING**

Lymph Node - Mandibular	Parathyroid Gland
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**OBSERVATIONS**

Harderian Gland	Adenoma	
Note: ADENOMA TGLs = 1-11		
Liver	Eosinophilic Focus	Mild
Note: HEPATOCLR ADEN TGLs = 3-5	Hepatocellular Adenoma	Multiple
Pancreas	Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands	Infiltration Cellular	Lymphocyte, 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:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 498	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 529
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 862218

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Skin
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Parathyroid Gland

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**AUTO PRECLUDES DIAG.**

Gallbladder	Intestine Small - Duodenum	Kidney
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**INSUFFICIENT TISSUE**

Lymph Node - Mesenteric

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**OBSERVATIONS**

Ovary	Follicle	Cyst	Marked
Note: CYST      TGLs = 1-5			
Pituitary Gland	Pars Distalis	Cyst	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Spleen		Congestion	Moderate
Stomach	Forestomach	Squamous Cell Papilloma	
Uterus		Hyperplasia	Cystic, Marked

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**PRIMARY CAUSE OF DEATH**      -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 500	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862220

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

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**OBSERVATIONS**

Liver		Eosinophilic Focus Hemangiosarcoma	Marked
Note: HEMANGIOSARC TGLs = 2-5			
Note: [ EOSIN FOCUS ] TGLs = 3-5			
Ovary	Follicle	Hematocyst	Moderate
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Uterus		Hydrometra	Marked
Note: HYDROMETRA TGLs = 1-8			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 501

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862221

**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 - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Ovary		Luteoma	
Note: LUTEOMA	TGLs = 3-8		
Skin		Alopecia	Minimal
Note: ALOPECIA	TGLs = 1-7		
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 2-8		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 502

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 800MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862222

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

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

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus

**OBSERVATIONS**

Urinary Bladder  
Uterus

Infiltration Cellular  
Hyperplasia

Lymphocyte, Mild  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 503

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862223

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Liver	Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 1,2-5		
Urinary Bladder	Infiltration Cellular	Lymphocyte, Minimal
Uterus	Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 504	<b>TRT#:</b> 8 <b>DOSE:</b> 800MG/KG	<b>SEX:</b> Female <b>DISP:</b> Dead	<b>DAY ON TEST:</b> 730 <b>HISTO:</b> 862224
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone	Esophagus	Stomach - Glandular
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**MISSING**

Islets, Pancreatic Parathyroid Gland	Lymph Node - Mesenteric	Mammary Gland	Ovary
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**AUTO PRECLUDES DIAG.**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Lung	Lymph Node - Mandibular	Nose
Pancreas	Pituitary Gland	Salivary Glands	Skin
Spleen	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

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**OBSERVATIONS**

Liver		Lymphoma Malignant	
Note: OF LYMPHOMA IMPOSSIBLE			
Note: MASSIVE AUTOLYTIC CHANGE MAKES TYPING			
Note: LYMPH MAL      TGLs = 1-5			
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Mild

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**PRIMARY CAUSE OF DEATH**      -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 505	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 595
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 862225

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Heart	Islets, Pancreatic	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Thymus	Thyroid Gland	Trachea	Urinary Bladder

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**AUTO PRECLUDES DIAG.**

Bone Marrow	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Lymph Node - Mesenteric	Pituitary Gland	Stomach - Forestomach
Stomach - Glandular			

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**OBSERVATIONS**

Liver	Hepatocellular Adenoma		
Lung	Alveolar/Bronchiolar Adenoma		
Uterus	Hyperplasia		Cystic, Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 506

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 654

**DOSE:** 800MG/KG

**DISP:** Dead

**HISTO:** 862226

**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	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Parathyroid Gland	Pituitary Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Lymph Node - Mesenteric

**OBSERVATIONS**

Kidney	Fatty Change	Mild
Liver	Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-11		
Pancreas	Atrophy	Mild
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal
Thymus	Atrophy	Moderate
Uterus	Hydrometra	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 507

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862227

**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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Kidney	Infiltration Cellular	Lymphocyte, Mild
	Nephropathy	Mild
Lung	Alveolar/Bronchiolar Adenoma	
Uterus	Congestion	Mild
	Hyperplasia	Cystic, Mild

Note: CONGESTION TGLs = 2-11

Note: HYPERPLASIA TGLs = 1-8

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 508

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 800MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862228

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Ovary  
Skin  
Thymus

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Spleen  
Thyroid Gland

Bone  
Heart  
Intestine Small - Duodenum  
Liver  
Mammary Gland  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Nose  
Pituitary Gland  
Stomach - Glandular

**MISSING**

Gallbladder

**OBSERVATIONS**

Kidney  
Salivary Glands  
Urinary Bladder  
Uterus

Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular  
Hyperplasia

Lymphocyte, Moderate  
Lymphocyte, Moderate  
Lymphocyte, Mild  
Cystic, Mild

Note: HYPERPLASIA TGLs = 2-5

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 509

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 703

**DOSE:** 800MG/KG

**DISP:** Moribund

**HISTO:** 862229

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Gallbladder

**OBSERVATIONS**

Kidney	Lymphoma Malignant Mixed	
Liver	Lymphoma Malignant Mixed	
	Necrosis	Mild
Note: NECROSIS TGLs = 3-5		
Note: LYMPH MAL MIXD TGLs = 2-5		
Lung	Lymphoma Malignant Mixed	
Pancreas	Atrophy	Marked
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal
Spleen	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-5		
Urinary Bladder	Lymphoma Malignant Mixed	
Uterus	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 510

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862230

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

Bone  
Gallbladder  
Intestine Small - Duodenum  
Lung  
Nose  
Pituitary Gland  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Skin  
Thyroid Gland

**OBSERVATIONS**

Heart  
Kidney  
Liver  
    Note: [ EOSIN FOCUS ] TGLs = 2-5  
Salivary Glands  
Spleen  
    Note: HYPERPLASIA TGLs = 1-5  
Uterus

Infiltration Cellular  
Metaplasia  
Eosinophilic Focus  
  
Infiltration Cellular  
Hyperplasia  
  
Hyperplasia

Lymphocyte, Minimal  
Cartilagenous, Minimal  
Moderate  
  
Lymphocyte, Minimal  
Lymphoid, Moderate  
  
Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 511

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862231

**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
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Oviduct	Parathyroid Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea

**MISSING**

Urinary Bladder

**OBSERVATIONS**

Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 1-11			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Thyroid Gland		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 2-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 512

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862232

**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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Ovary	Follicle	Hematocyst	Moderate
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 1-5			
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 2-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 513	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862233

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

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**MISSING**

Parathyroid Gland

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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Inflammation	Suppurative, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Marked

Note: HYPERPLASIA TGLs = 1-8

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 514

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 455

**DOSE:** 800MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862234

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

**OBSERVATIONS**

Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-2			
Ovary	Follicle	Cyst	Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hydrometra	Marked
Note: HYDROMETRA TGLs = 2-5			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 515	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 420
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Moribund	<b>HISTO:</b> 862235

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Parathyroid Gland

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**OBSERVATIONS**

Liver	Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-2		
Uterus	Hyperplasia	Cystic, Moderate

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PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 516

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862236

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Brain		Compression	Moderate
Note: COMPRESSION	TGLs = 6-1		
Liver		Basophilic Focus	Moderate
		Hepatocellular Adenoma	
		Necrosis	Moderate
Note: NECROSIS	TGLs = 5-5		
Note: HEPATOCLR ADEN	TGLs = 4-5		
Pancreas		Atrophy	Marked
	Duct	Dilatation	Marked
Note: ATROPHY	TGLs = 2-2		
Note: DILATATION	TGLs = 2-2		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 7-3		
Thyroid Gland	Bilateral, Follicular Cel	Adenoma	
Note: ADENOMA	TGLs = 1-2		
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 3-8		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 517

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862237

**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
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

**OBSERVATIONS**

Liver		Eosinophilic Focus Hepatocellular Adenoma	Moderate
Note: HEPATOCLR ADEN TGLs = 1-11 Note: [ EOSIN FOCUS ] TGLs = 2-5+11			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 518

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862238

**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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
<p>Note: [ HEPATOCLR CARC ] TGLs = 2-5          Note: HEPATOCLR ADEN TGLs = 1,2-5          Note: HEPATOCLR ADEN TGLs = 4-11          Note: [ EOSIN FOCUS ] TGLs = 4-11</p>			
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Hyperplasia	Squamous, Mild
	Forestomach	Inflammation	Suppurative, Mild
<p>Note: INFLAMMATION TGLs = 5-12</p>			
Thyroid Gland		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hydrometra	Marked
<p>Note: HYDROMETRA TGLs = 3-8</p>			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 519

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 592

**DOSE:** 800MG/KG

**DISP:** Dead

**HISTO:** 862239

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Bone Marrow	Heart	Islets, Pancreatic
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea

**AUTO PRECLUDES DIAG.**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Gallbladder
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Spleen
Stomach - Glandular	Urinary Bladder		

**INSUFFICIENT TISSUE**

Esophagus

**OBSERVATIONS**

Uterus	Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 1-8		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 520      **TRT#:** 8      **SEX:** Female      **DAY ON TEST:** 637  
**DOSE:** 800MG/KG      **DISP:** Dead      **HISTO:** 862240

**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
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Lymph Node - Mandibular	Lymph Node - Mesenteric	Salivary Glands	Thymus
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**INSUFFICIENT TISSUE**

Islets, Pancreatic

**OBSERVATIONS**

Adrenal Gland Note: SARCOMA      TGLs = 3-3	Cortex	Sarcoma	Metastatic (Uncertain Primary Site)
Heart		Sarcoma	Metastatic (Uncertain Primary Site)
Kidney		Sarcoma	Metastatic (Uncertain Primary Site)
Liver  Note: [ HEPATOCLR CARC ]      TGLs = 1-5		Hepatocellular Carcinoma	
		Sarcoma	Metastatic (Uncertain Primary Site)
Lung Note: SARCOMA      TGLs = 6-6,13		Sarcoma	Metastatic (Uncertain Primary Site)
Pancreas Note: SARCOMA      TGLs = 5-11 Note: SARCOMA      TGLs = 4-14		Sarcoma	Metastatic (Uncertain Primary Site)
Skin Note: SARCOMA      TGLs = 2-12		Sarcoma	Metastatic (Uncertain Primary Site)
Spleen		Sarcoma	Metastatic (Uncertain Primary Site)
Uterus Note: HYPERPLASIA      TGLs = 7-8		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH      -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 521

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862241

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

**OBSERVATIONS**

Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
Note: [ HEPATOCLR ADEN ] TGLs = 1,2,3-5+12			
Note: [ EOSIN FOCUS ] TGLs = 4-11			
Ovary	Follicle	Cyst	Moderate
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Developmental Malformation	
Note: DEVELOP MALFOR TGLs = 5-5			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 522

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862242

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

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

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus

**OBSERVATIONS**

Uterus

Hyperplasia

Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-8

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 523

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 800MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862243

**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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Uterus	Hyperplasia	Cystic, Moderate
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**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 524

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862244

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus

Bone  
Gallbladder  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Parathyroid Gland  
Spleen  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Nose  
Pituitary Gland  
Stomach - Forestomach

**OBSERVATIONS**

Heart  
Liver  
    Note: HEPATOCLR ADEN   TGLs = 2-5  
Thyroid Gland  
Urinary Bladder  
Uterus  
    Note: HYPERPLASIA    TGLs = 1-8

Follicular Cel

Cardiomyopathy  
Hepatocellular Adenoma  
  
Hyperplasia  
Infiltration Cellular  
Hyperplasia

Mild  
Multiple  
  
Moderate  
Lymphocyte, Minimal  
Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 525

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862245

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

**OBSERVATIONS**

Liver Note: HEPATOCLR ADEN TGLs = 3,4,5-5		Hepatocellular Adenoma	Multiple
Ovary Note: CYST TGLs = 2-8	Follicle	Cyst	Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus Note: HYPERPLASIA TGLs = 1-8		Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 526

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 9

**DOSE:** 800MG/KG

**DISP:** Dead

**HISTO:** 862246

**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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

**MISSING**

Parathyroid Gland	Thyroid Gland
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 528	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 704
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 862248

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Intestine Large - Cecum	Ovary
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**AUTO PRECLUDES DIAG.**

Bone Marrow	Gallbladder	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mesenteric
Spleen	Stomach - Glandular		

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**OBSERVATIONS**

Heart	Mineralization	Moderate
Liver	Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 2,1-5		
Note: MASSIVE NECROSIS OF HEPATIC TUMOR		
Uterus	Hyperplasia	Cystic, Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 530

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862250

**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	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**OBSERVATIONS**

Intestine Small Note: LYMPH MAL TGLs = 2-12	Jejunum	Lymphoma Malignant	
Kidney		Nephropathy	Mild
Liver Note: HEPATOCLR ADEN TGLs = 1-5		Hepatocellular Adenoma	
Lung Note: HYPERPLASIA TGLs = 3-11	Alveolar Epith	Hyperplasia	Mild
Ovary	Follicle	Hematocyst	Mild
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus Note: HYPERPLASIA TGLs = 4-8		Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 531

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 504

**DOSE:** 800MG/KG

**DISP:** Moribund

**HISTO:** 862251

**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-2			
Mesentery	Fat	Necrosis	Mild
Note: NECROSIS TGLs = 2-12			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 532

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 422

**DOSE:** 800MG/KG

**DISP:** Dead

**HISTO:** 862252

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Kidney  
Mammary Gland  
Parathyroid Gland  
Spleen  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Liver  
Nose  
Pituitary Gland  
Thymus

Bone  
Heart  
Lung  
Ovary  
Salivary Glands  
Thyroid Gland

Bone Marrow  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Trachea

**MISSING**

Lymph Node - Mandibular

**AUTO PRECLUDES DIAG.**

Gallbladder  
Intestine Small - Duodenum  
Stomach - Glandular

Intestine Large - Cecum  
Intestine Small - Ileum

Intestine Large - Colon  
Intestine Small - Jejunum

Intestine Large - Rectum  
Stomach - Forestomach

**OBSERVATIONS**

Uterus

Hyperplasia

Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 533	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 689
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 862253

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Bone	Brain	Esophagus
Heart	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea	Uterus		

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**AUTO PRECLUDES DIAG.**

Bone Marrow	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mesenteric	Pancreas	Stomach - Glandular	

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**OBSERVATIONS**

Adrenal Gland	Medulla	Congestion	Moderate
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 1,2-5			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 534

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 701

**DOSE:** 800MG/KG

**DISP:** Dead

**HISTO:** 862254

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Heart	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Thyroid Gland	Trachea

**MISSING**

Thymus

**AUTO PRECLUDES DIAG.**

Bone Marrow	Brain	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric	Pancreas
Pituitary Gland	Spleen	Stomach - Glandular	Urinary Bladder

**OBSERVATIONS**

Kidney Note: CYST      TGLs = 2-8	Cortex	Cyst	Mild
Liver Note: [ HEPATOCLR ADEN ]      TGLs = 3-5		Hepatocellular Adenoma	
Uterus Note: HYDROMETRA      TGLs = 1-8		Hydrometra	Marked

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 535

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 800MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862255

**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	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

**MISSING**

Lymph Node - Mesenteric

**OBSERVATIONS**

Kidney	Infiltration Cellular	Lymphocyte, Mild
Liver	Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-2		
Salivary Glands	Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder	Infiltration Cellular	Lymphocyte, Minimal
Uterus	Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 1-5		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 537	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 862257

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

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**OBSERVATIONS**

Intestine Small Note: LYMPH MAL TGLs = 7-7	Jejunum	Lymphoma Malignant	
Kidney Note: INFARCT TGLs = 3-8		Infarct	Moderate
Liver  Note: [ HEPATOCLR CARC ] TGLs = 4-5,5-11		Hepatocellular Adenoma Hepatocellular Carcinoma	
Lymph Node	Mesenteric	Lymphoma Malignant	
Ovary Note: CYST TGLs = 8-8	Follicle	Cyst	Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen Note: HYPERPLASIA TGLs = 1-5		Hyperplasia	Lymphoid, Mild
Uterus Note: HYPERPLASIA TGLs = 2-8		Hyperplasia	Cystic, Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 539	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 692
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 862259

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone	Brain	Esophagus	Heart
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Thyroid Gland	Trachea
Urinary Bladder			

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**AUTO PRECLUDES DIAG.**

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

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**OBSERVATIONS**

Adrenal Gland	Cortex	Lymphoma Malignant Histiocytic	
	Medulla	Lymphoma Malignant Histiocytic	
Bone Marrow		Lymphoma Malignant Histiocytic	
Liver		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 1-5		
Lung		Lymphoma Malignant Histiocytic	
Lymph Node	Mesenteric	Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 3-7		
Pituitary Gland		Lymphoma Malignant Histiocytic	
Spleen		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 2-5		
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Thymus		Lymphoma Malignant Histiocytic	
Uterus		Hyperplasia	Cystic, Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 540

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862260

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	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

**INSUFFICIENT TISSUE**

Gallbladder

**OBSERVATIONS**

Liver Note: HEPATOCLR ADEN TGLs = 2-5		Hepatocellular Adenoma	Multiple
Ovary Note: CYST TGLs = 1-8	Follicle	Cyst	Mild
Uterus		Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 541

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 800MG/KG

**DISP:** Interval Sacrifice

**HISTO:** 862261

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Liver  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

**OBSERVATIONS**

Kidney  
Uterus

Infiltration Cellular  
Hyperplasia

Lymphocyte, Minimal  
Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-5

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 542	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 540
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 862262

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**AUTO PRECLUDES DIAG.**

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

Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal
Uterus	Hyperplasia	Cystic, Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 543

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862263

**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	Lung	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

**INSUFFICIENT TISSUE**

Lymph Node - Mandibular

**OBSERVATIONS**

Islets, Pancreatic	Infiltration Cellular	Lymphocyte, Mild
Kidney	Infiltration Cellular	Lymphocyte, Mild
Liver	Eosinophilic Focus	Moderate
	Hepatocellular Adenoma	Multiple
Note: [ HEPATOCLR ADEN ] TGLs = 2,4-5+11		
Note: [ EOSIN FOCUS ] TGLs = 3,5-5+11		
Pancreas	Infiltration Cellular	Lymphocyte, Mild
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal
Skin	Alopecia	Moderate
Note: ALOPECIA TGLs = 1-12		
Spleen	Hyperplasia	Lymphoid, Mild
Urinary Bladder	Infiltration Cellular	Lymphocyte, Mild
Uterus	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 545	<b>TRT#:</b> 8 <b>DOSE:</b> 800MG/KG	<b>SEX:</b> Female <b>DISP:</b> Dead	<b>DAY ON TEST:</b> 462 <b>HISTO:</b> 862265
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Kidney
Liver	Lung	Mammary Gland	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Thymus	Thyroid Gland
Trachea	Uterus		

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**MISSING**

Lymph Node - Mandibular	Lymph Node - Mesenteric	Urinary Bladder
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**AUTO PRECLUDES DIAG.**

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

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**OBSERVATIONS**

Tissue NOS	Fat, Pelvic	Hemorrhage	Mild
Note: HEMORRHAGE	TGLs = 1-12		

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 546	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 554
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 862266

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone	Bone Marrow	Esophagus	Heart
Islets, Pancreatic	Kidney	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Skin	Thyroid Gland	Trachea
Uterus			

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**MISSING**

Parathyroid Gland

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**AUTO PRECLUDES DIAG.**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Gallbladder
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Urinary Bladder	

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**INSUFFICIENT TISSUE**

Pituitary Gland

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**OBSERVATIONS**

Liver	Hepatocellular Adenoma		
Note: [ HEPATOCLR ADEN ] TGLs = 2-12+12.1			
Salivary Glands	Infiltration Cellular		Lymphocyte, Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05091-02  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: 3,4-Dihydrocoumarin  
CAS Number: 119-84-6

Date Report Requested: 10/19/2014  
Time Report Requested: 13:36:44  
First Dose M/F: NA / NA  
Lab: AM BIO

ANIMAL ID: 547      TRT#: 8      SEX: Female      DAY ON TEST: 419  
DOSE: 800MG/KG      DISP: Dead      HISTO: 862267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Esophagus	Heart	Intestine Small - Ileum	Islets, Pancreatic
Nose	Salivary Glands	Stomach - Forestomach	Trachea
Urinary Bladder	Uterus		

MISSING

Intestine Large - Rectum	Parathyroid Gland	Thyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Lymphocytic
	Medulla	Lymphoma Malignant Lymphocytic
Bone		Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP TGLs = 10-13		
Bone Marrow		Lymphoma Malignant Lymphocytic
Brain	Meninges	Lymphoma Malignant Lymphocytic
Gallbladder		Lymphoma Malignant Lymphocytic
Intestine Large	Cecum	Lymphoma Malignant Lymphocytic
	Colon	Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP TGLs = 11-6		
Intestine Small	Duodenum	Lymphoma Malignant Lymphocytic
	Jejunum	Lymphoma Malignant Lymphocytic
Kidney		Lymphoma Malignant Lymphocytic
Liver		Lymphoma Malignant Lymphocytic
Lung		Lymphoma Malignant Lymphocytic
Lymph Node	Iliac	Lymphoma Malignant Lymphocytic
	Mandibular	Lymphoma Malignant Lymphocytic
	Mesenteric	Lymphoma Malignant Lymphocytic
	Prefemoral	Lymphoma Malignant Lymphocytic
	Renal	Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP TGLs = 4-14		
Note: LYMPH MAL LYMP TGLs = 8-12		
Note: LYMPH MAL LYMP TGLs = 7-9		
Note: TGL 8 IS SCAPULAR LYMPH NODE		

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 547

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 419

**DOSE:** 800MG/KG

**DISP:** Dead

**HISTO:** 862267

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: LYMPH MAL LYMP	TGLs = 2-3		
Note: LYMPH MAL LYMP	TGLs = 3-15		
Note: LYMPH MAL LYMP	TGLs = 5-9		
Mammary Gland			Lymphoma Malignant Lymphocytic
Ovary			Lymphoma Malignant Lymphocytic
Oviduct			Lymphoma Malignant Lymphocytic
Pancreas			Lymphoma Malignant Lymphocytic
Pituitary Gland			Lymphoma Malignant Lymphocytic
Skin		Subcut Tiss	Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP	TGLs = 9-11		
Spleen			Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP	TGLs = 1-2		
Stomach		Glandular	Lymphoma Malignant Lymphocytic
Thymus			Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP	TGLs = 6-4		
PRIMARY CAUSE OF DEATH		-	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 548

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 583

**DOSE:** 800MG/KG

**DISP:** Dead

**HISTO:** 862268

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Bone Marrow	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**AUTO PRECLUDES DIAG.**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Intestine Small - Duodenum	Stomach - Glandular
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**OBSERVATIONS**

Skin	Subcut Tiss	Hemangiosarcoma	
Note: HEMANGIOSARC	TGLs = 1-11		
Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Moderate
Note: HEMANGIOSARC	TGLs = 3-5		
Note: HEMA CELL PROL	TGLs = 2-5		
Uterus		Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 549

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862269

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Liver  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

**OBSERVATIONS**

Kidney  
Uterus

Infiltration Cellular  
Hyperplasia

Lymphocyte, Mild  
Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-8

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 551

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 703

**DOSE:** 800MG/KG

**DISP:** Moribund

**HISTO:** 862271

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Mammary Gland	Mesentery
Ovary	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

**MISSING**

Gallbladder	Lymph Node - Mandibular	Pituitary Gland
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**OBSERVATIONS**

Heart		Mineralization	Mild
Liver		Hemangiosarcoma	
Note: [ HEMANGIOSARC ] TGLs = 3-5+12			
Lung		Hemorrhage	Moderate
Note: HEMORRHAGE TGLs = 2-6			
Lymph Node	Mesenteric	Congestion	Moderate
Note: CONGESTION TGLs = 1-11			
Note: TGL 1 IS MESENTERIC LYMPH NODE			
Nose		Inflammation	Suppurative, Mild
Pancreas		Inflammation	Suppurative, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular	Mineralization	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 552

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862272

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Skin  
Thymus

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

Bone  
Gallbladder  
Intestine Small - Duodenum  
Lung  
Ovary  
Stomach - Forestomach  
Trachea

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

**MISSING**

Lymph Node - Mandibular

Parathyroid Gland

**OBSERVATIONS**

Heart  
Kidney  
Liver  
Pancreas  
Salivary Glands  
Urinary Bladder  
Uterus

Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular  
Hyperplasia

Lymphocyte, Minimal  
Lymphocyte, Mild  
Lymphocyte, Minimal  
Lymphocyte, Minimal  
Lymphocyte, Minimal  
Lymphocyte, Mild  
Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 553

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862273

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Salivary Glands  
Thymus

Bone  
Gallbladder  
Intestine Small - Duodenum  
Lung  
Nose  
Spleen  
Thyroid Gland

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

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Heart  
Kidney  
Liver  
    Note: HEPATOCLR ADEN TGLs = 3-5  
Ovary  
    Note: CYST TGLs = 2-11  
Skin  
    Note: ALOPECIA TGLs = 1-7  
Uterus

Av Valve  
  
  
  
Follicle

Fibrosis  
Infiltration Cellular  
Infiltration Cellular  
Hepatocellular Adenoma  
  
Cyst  
  
Alopecia  
  
Hyperplasia

Mild  
Lymphocyte, Minimal  
Lymphocyte, Minimal  
  
Marked  
  
Mild  
  
Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 554

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862274

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular

Bone  
Gallbladder  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus

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

**OBSERVATIONS**

Heart  
Urinary Bladder  
Uterus

Infiltration Cellular  
Infiltration Cellular  
Hyperplasia

Lymphocyte, Minimal  
Lymphocyte, Mild  
Cystic, Mild

Note: [ HYPERPLASIA ] TGLs = 1-8

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05091-02  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: 3,4-Dihydrocoumarin  
CAS Number: 119-84-6

Date Report Requested: 10/19/2014  
Time Report Requested: 13:36:44  
First Dose M/F: NA / NA  
Lab: AM BIO

ANIMAL ID: 555      TRT#: 8      SEX: Female      DAY ON TEST: 545  
DOSE: 800MG/KG      DISP: Dead      HISTO: 862275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Rectum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum		

OBSERVATIONS

Heart	Necrosis	Mild
Kidney	Necrosis	Coagulative, Mild
Liver	Eosinophilic Focus	Mild
	Hepatocellular Carcinoma	
	Necrosis	Marked
Note: NECROSIS      TGLs = 1,2-2		
Note: [ HEPATOCLR CARC ]      TGLs = 1-2		
Parathyroid Gland	Hyperplasia	Mild
Thymus	Atrophy	Moderate
Uterus	Hydrometra	Mild

PRIMARY CAUSE OF DEATH      -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 556	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 456
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Interval Sacrifice	<b>HISTO:</b> 862276

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Parathyroid Gland

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**OBSERVATIONS**

Liver		Infiltration Cellular	Lymphocyte, Marked
Ovary	Follicle	Cyst	Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

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<b>ANIMAL ID:</b> 557	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 526
	<b>DOSE:</b> 800MG/KG	<b>DISP:</b> Dead	<b>HISTO:</b> 862277

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Liver
Lung	Nose	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea		

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**MISSING**

Lymph Node - Mandibular	Mammary Gland
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**AUTO PRECLUDES DIAG.**

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	Pancreas	Spleen
Stomach - Glandular	Urinary Bladder		

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**OBSERVATIONS**

Ovary	Follicle	Cyst	Marked
Note: CYST      TGLs = 1-8			
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA      TGLs = 2-8			

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**PRIMARY CAUSE OF DEATH**      -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05091-02  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,4-Dihydrocoumarin  
**CAS Number:** 119-84-6

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 13:36:44  
**First Dose M/F:** NA / NA  
**Lab:** AM BIO

**ANIMAL ID:** 558

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 800MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 862278

**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
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Lymph Node - Mesenteric

**OBSERVATIONS**

Liver		Infiltration Cellular	Lymphocyte, Minimal
Pituitary Gland	Pars Distalis	Cyst	Moderate
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-11			
Uterus		Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 1-8			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05091-02  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: 3,4-Dihydrocoumarin  
CAS Number: 119-84-6

Date Report Requested: 10/19/2014  
Time Report Requested: 13:36:44  
First Dose M/F: NA / NA  
Lab: AM BIO

ANIMAL ID: 560

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 800MG/KG

DISP: Terminal Sacrifice

HISTO: 862280

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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

OBSERVATIONS

Liver		Mixed Cell Focus	Mild
Ovary	Follicle	Hematocyst	Moderate
Note: HEMATOCYST	TGLs = 1-8		
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 2-8		

PRIMARY CAUSE OF DEATH

-

\*\* END OF REPORT \*\*

\* PROTOCOL REQUIRED TISSUE