

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

**C Number:** C55787

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Male

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_051

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Eye	Retina	Atrophy, Nos
Heart	Lens, Cortex	Cataract
Kidney	Myocardium Nos	Fibrosis Nephropathy
Liver		Undifferentiated Carcinoma Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos Metamorphosis, Fatty
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Cyst, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Salivary gland		Cyst, Multiple
Testis	Submaxillary Duct	Dysplasia, Epithelial
	Spermia	Atrophy, Nos Degeneration, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma Hyperplasia, C Cell
Unspecified	Multiple Organs Nos Multiple Organs Nos	Leukemia, Mononuclear Cell Undifferentiated Carcinoma, Metastatic

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_052

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Hyperplasia, Focal
Eye	Cortex Nos Retina	Metamorphosis, Fatty Atrophy, Nos
Heart	Lens, Cortex	Cataract
Kidney	Myocardium Nos	Fibrosis
Liver		Nephropathy Clear-Cell Change Cytoplasmic Change, Basophilic
Mammary gland	Periportal Bile Ductule	Hyperplasia, Nos Galactocele Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary Anterior Pituitary	Adenoma, Nos Hyperplasia, Focal
Preputial gland		Atrophy, Nos
Prostate		Hyperplasia, Epithelial Inflammation, Active Chronic
Salivary gland		Atrophy, Nos
Stomach	Submaxillary Duct	Dysplasia, Epithelial
Testis	Glandular Stomach	Cyst, Multiple Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

**ANIMAL ID:** 1\_053

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
Brain		Astrocytoma
Eye	Lens, Cortex	Cataract
Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
Nasal cavity		Inflammation, Active Chronic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis	Spermia	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Atrophy, Nos

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

**ANIMAL ID:** 1\_054

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Dosing Accident

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
		Hemorrhage
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
	Periportal Bile Ductule	Hyperplasia, Nos
		Edema, Nos
Lung		Inflammation, Active Chronic
Prostate		Cyst, Multiple
Stomach	Glandular Stomach	Hyperplasia, Interstitial Cell
Testis		Interstitial-Cell Tumor
		Thymoma, Benign

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_055

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Perivascular Cuffing
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Atrophy, Nos
		Inflammation, Active Chronic
Spleen		Fibrosis
Testis	Spermia	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_056

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Angiectasis Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hematopoiesis
Testis	Spermia	Degeneration, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

**ANIMAL ID:** 1\_057

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Medulla	Angiectasis Pheochromocytoma
Brain		Gliosis
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic Granuloma, Nos Hyperplasia, Nos Metamorphosis, Fatty
	Periportal Bile Ductule	Perivascular Cuffing
Lung		Adenoma, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
	Anterior Pituitary	Dysplasia, Epithelial
Salivary gland	Submaxillary Duct	Atrophy, Nos
Testis		Degeneration, Nos
	Spermia	Hyperplasia, Interstitial Cell Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_058

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Cytomegaly
	Cortex Nos	Metamorphosis, Fatty
Brain		Hydrocephalus, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
	Substantia Propria	Vascularization
Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Perivascular Cuffing
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
		Inflammation, Active Chronic
Prostate		Inflammation, Active Chronic
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

**ANIMAL ID:** 1\_059

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
		Hemorrhage
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Periportal Bile Ductule	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

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**ANIMAL ID:** 1\_060

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Liver	Periportal Bile Ductule	Hyperplasia, Nos
Lung		Congestion, Nos
		Edema, Nos
Prostate		Inflammation, Active Chronic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

**ANIMAL ID:** 1\_061

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Medulla	Metamorphosis, Fatty Pheochromocytoma
Brain		Hydrocephalus, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney	Tubule	Metamorphosis, Fatty Nephropathy
Liver	Periportal Bile Ductule Centrilobular	Hyperplasia, Nos Metamorphosis, Fatty
Lung		Alveolar Macrophages
Lymph node	Mandibular Lymph Node	Hemorrhage
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Spleen		Hemosiderosis
Stomach	Glandular Stomach Forestomach	Cyst, Multiple Inflammation, Chronic
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_062

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung	Bronchiole	Fibrosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

**ANIMAL ID:** 1\_063

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
	Medulla	Pheochromocytoma, Malignant
Blood vessel	Pulmonary Artery Nos	Mineralization
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Hernia, Nos
	Periportal Bile Ductule	Hyperplasia, Nos
Lung		Alveolar Macrophages
		Hemangiosarcoma, Metastatic
Nasal cavity		Adenoma, Nos
Preputial gland		Atrophy, Nos
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Spleen		Hemangiosarcoma
Stomach	Glandular Stomach	Cyst, Multiple
Testis	Spermia	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Hip Nos	Osteosarcoma

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_064

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Granuloma, Nos
		Perivascular Cuffing
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Angiectasis
	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Atrophy, Nos
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Skin		Cyst, Epidermal Inclusion
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_065

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Metamorphosis, Fatty Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change Cytoplasmic Change, Basophilic Cytoplasmic Change, Nos
	Periportal Bile Ductule	Hyperplasia, Nos Metamorphosis, Fatty
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos Carcinoma, Nos
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis	Interst. Cell/Leydig	Hypertrophy, Nos Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

**ANIMAL ID:** 1\_066

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma, Malignant
Blood vessel	Artery Nos	Periarteritis
Bone marrow		Hyperplasia, Nos
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
		Hemorrhage
Heart	Myocardium Nos	Fibrosis
	Right Atrium Nos	Mineralization
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

**ANIMAL ID:** 1\_067

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
	Medulla	Pheochromocytoma, Malignant
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Periportal Bile Ductule	Hyperplasia, Nos
	Centrilobular	Metamorphosis, Fatty
Lung		Alveolar Macrophages
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Testis	Spermia	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_068

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Medulla	Angiectasis Hyperplasia, Focal Hyperplasia, Focal
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
Heart	Lens, Cortex	Cataract
Kidney	Myocardium Nos	Fibrosis
Liver		Nephropathy
	Periportal Bile Ductule	Cytoplasmic Change, Basophilic Hyperplasia, Nos Metamorphosis, Fatty
Lung		Alveolar Macrophages
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_069

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Medulla	Angiectasis Hyperplasia, Focal Pheochromocytoma
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos Myocardium Nos	Fibrosis Inflammation, Chronic
Kidney		Nephropathy
Liver		Clear-Cell Change Cytoplasmic Change, Basophilic Hyperplasia, Nos
	Periportal Bile Ductule	Metamorphosis, Fatty
Lung		Alveolar/Bronchiolar Adenoma Inflammation, Chronic
		Metaplasia, Osseous
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Atrophy, Nos
	Spermia	Degeneration, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

**ANIMAL ID:** 1\_070

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Periportal Bile Ductule	Hyperplasia, Nos
Lung		Perivascular Cuffing
Mammary gland		Fibroadenoma
Nasal cavity		Inflammation, Active Chronic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thymus		Cyst, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_071

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Degeneration, Hyaline Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos Left Atrium Nos	Fibrosis Mineralization
Kidney		Nephropathy
Liver	Periportal Bile Ductule  Centrilobular	Hyperplasia, Nos Metamorphosis, Fatty Necrosis, Nos Neoplastic Nodule
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary Anterior Pituitary Anterior Pituitary	Adenoma, Nos Cyst, Nos Hyperplasia, Focal
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Spleen		Hematopoiesis
Stomach	Forestomach Forestomach	Hyperplasia, Epithelial Inflammation, Active Chronic
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified		Fibroma
	Adipose Tissue	Necrosis, Fat
Zymbal gland		Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_072

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Medulla	Pheochromocytoma
Eye	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Pancreas		Perivasculitis
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Prostate		Inflammation, Active Chronic
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis	Spermia	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

**ANIMAL ID:** 1\_073

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Congestion, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Atrophy, Nos
Testis		Hyperplasia, Interstitial Cell
Thymus		Hemorrhage
Thyroid		Hyperplasia, Follicular Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_074

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
		Hemorrhage
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Periportal Bile Ductule	Hyperplasia, Nos
Nasal cavity		Inflammation, Active Chronic
		Polyp, Inflammatory
Salivary gland		Hyperplasia, Focal
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

**ANIMAL ID:** 1\_075

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hernia, Nos
		Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Alveolar Macrophages
		Inflammation, Chronic
Mammary gland		Hyperplasia, Cystic
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_076

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Medulla	Angiectasis Hyperplasia, Focal Pheochromocytoma
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
Heart	Lens, Cortex Myocardium Nos Left Atrium Nos	Cataract Fibrosis Thrombus, Organized
Kidney		Nephropathy
Liver		Clear-Cell Change Cytoplasmic Change, Basophilic Hyperplasia, Nos Metamorphosis, Fatty
Lung		Alveolar Macrophages
Pancreas	Acinus	Atrophy, Nos
Preputial gland		Atrophy, Nos
Prostate		Hyperplasia, Focal
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis	Spermia	Degeneration, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_077

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Periportal Bile Ductule	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis	Spermia	Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

**ANIMAL ID:** 1\_078

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Brain	Cerebellum Nos	Astrocytoma
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
		Hemorrhage
Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_079

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Angiectasis Pheochromocytoma
Epididymis		Degeneration, Nos
Eye	Retina Lens, Cortex	Atrophy, Nos Cataract Hemorrhage
Heart	Myocardium Nos Myocardium Nos	Degeneration, Nos Fibrosis
Kidney		Nephropathy
Liver	Periportal Bile Ductule	Cytoplasmic Change, Basophilic Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Adenoma Inflammation, Chronic
Pancreas	Acinus	Atrophy, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Testis		Atrophy, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

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**ANIMAL ID:** 1\_080

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Lung

Congestion, Nos

Nasal cavity

Edema, Nos

Thymus

Inflammation, Active Chronic

Congestion, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_081

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
		Hemorrhage
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
		Granuloma, Nos
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung	Bronchiole	Fibrosis
Nasal cavity		Inflammation, Active Chronic
Pituitary gland	Anterior Pituitary	Cyst, Nos
Preputial gland		Atrophy, Nos
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Atrophy, Nos
	Spermia	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

**ANIMAL ID:** 1\_082

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
		Hemorrhage
Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Edema, Nos
		Inflammation, Acute
Pancreas	Acinus	Atrophy, Nos
	Islets	Islet-Cell Adenoma
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

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**ANIMAL ID:** 1\_083

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Dosing Accident

**HISTO:**

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**OBSERVATIONS**

Heart

Myocardium Nos

Inflammation, Chronic

Lung

Congestion, Nos

Edema, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

**ANIMAL ID:** 1\_084

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Hyperplasia, Epithelial
		Inflammation, Chronic
Salivary gland		Atrophy, Nos
	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis	Spermia	Degeneration, Nos
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_085

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Pheochromocytoma
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos Myocardium Nos	Fibrosis Inflammation, Chronic
Intestine Small	Duodenum	Lymphangiectasis
Kidney		Nephropathy
Liver		Clear-Cell Change Cytoplasmic Change, Basophilic Hernia, Nos
	Periportal Bile Ductule	Hyperplasia, Nos
Lung		Alveolar Macrophages
Pituitary gland	Anterior Pituitary	Angiectasis
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Salivary gland		Atrophy, Nos
	Submaxillary Duct	Dysplasia, Epithelial
Testis		Atrophy, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_086

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
Bone marrow		Hyperplasia, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
		Hemorrhage
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Alveolar Macrophages
		Perivascular Cuffing
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_087

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Pheochromocytoma
Blood vessel	Pulmonary Artery Nos	Mineralization
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos Myocardium Nos	Fibrosis Inflammation, Chronic
Kidney		Nephropathy
Liver		Clear-Cell Change Cytoplasmic Change, Basophilic Granuloma, Nos Hyperplasia, Nos Metamorphosis, Fatty
	Periportal Bile Ductule	
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_088

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Medulla	Angiectasis Hyperplasia, Focal Pheochromocytoma
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
Heart	Lens, Cortex	Cataract
Kidney	Myocardium Nos	Fibrosis
Liver		Nephropathy Cytoplasmic Change, Basophilic Granuloma, Nos Metamorphosis, Fatty
Lung		Hyperplasia, Adenomatous
Mammary gland		Hyperplasia, Cystic
Pancreas		Acinar-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis	Spermia	Degeneration, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_089

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Metamorphosis, Fatty Pheochromocytoma
Epididymis		Degeneration, Nos
Heart	Myocardium Nos Myocardium Nos	Degeneration, Nos Fibrosis
Kidney		Nephropathy
Liver		Congestion, Nos
	Periportal Bile Ductule	Hyperplasia, Nos Metamorphosis, Fatty
Lung		Alveolar Macrophages Hyperplasia, Adenomatous Inflammation, Chronic
Mammary gland		Perivascular Cuffing
Nasal cavity		Hyperplasia, Cystic Foreign Material, Nos Inflammation, Active Chronic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Stomach	Glandular Stomach Forestomach Forestomach	Cyst, Multiple Hyperplasia, Epithelial Inflammation, Chronic
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

**ANIMAL ID:** 1\_090

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Blood vessel	Aorta Nos	Mineralization
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

---

**ANIMAL ID:** 1\_091

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Dosing Accident

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Lung

Cortex Nos

Metamorphosis, Fatty  
Congestion, Nos  
Edema, Nos

Pituitary gland

Anterior Pituitary

Cyst, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_092

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
	Medulla	Pheochromocytoma, Malignant
Bone marrow		Hyperplasia, Nos
Eye	Lens, Cortex	Cataract
Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
	Centrilobular	Cytoplasmic Vacuolization
Lung		Alveolar Macrophages
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Carcinoma, Nos
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Atrophy, Nos
		Fibroma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_093

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Medulla	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
Heart	Lens, Cortex	Cataract
Kidney	Myocardium Nos	Fibrosis
Liver		Nephropathy
		Angiectasis
		Congestion, Nos
		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Alveolar Macrophages
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Unspecified	Mediastinum Nos	Granuloma, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:51

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

**Lab:** NA

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**ANIMAL ID:** 1\_094

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Brain

Medulla

Pheochromocytoma

Esophagus

Hemorrhage

Heart

Myocardium Nos

Hyperkeratosis

Kidney

Fibrosis

Liver

Periportal Bile Ductule

Nephropathy

Cytoplasmic Change, Basophilic

Hyperplasia, Nos

Preputial gland

Metamorphosis, Fatty

Prostate

Atrophy, Nos

Testis

Inflammation, Active Chronic

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_095

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
		Hernia, Nos
	Periportal Bile Ductule	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_096

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 125.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Angiectasis Pheochromocytoma
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos Metamorphosis, Fatty
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Hyperplasia, Focal
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Atrophy, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_097

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Brain		Oligodendroglioma
Heart	Myocardium Nos	Fibrosis
Liver	Periportal Bile Ductule	Hyperplasia, Nos
Lung		Congestion, Nos
		Edema, Nos
Nasal cavity		Inflammation, Active Chronic
Prostate		Inflammation, Active Chronic
Thymus		Hemorrhage

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_098

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Eye	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Metamorphosis, Fatty
Lung		Congestion, Nos
Preputial gland		Atrophy, Nos
Testis		Hyperplasia, Interstitial Cell

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 1\_099

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Liver

Metamorphosis, Fatty

Lung

Edema, Nos

Mammary gland

Emphysema, Nos

Preputial gland

Hyperplasia, Cystic

Atrophy, Nos

Testis

Inflammation, Chronic

Atrophy, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_100

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 125.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Eye

Medulla

Hyperplasia, Focal

Heart

Retina

Atrophy, Nos

Kidney

Lens, Cortex

Cataract

Liver

Myocardium Nos

Fibrosis

Pancreas

Periportal Bile Ductule

Nephropathy

Prostate

Acinus

Clear-Cell Change

Testis

Cytoplasmic Change, Basophilic

Hyperplasia, Nos

Hyperplasia, Focal

Inflammation, Active Chronic

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_001

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Eye

Retina

Atrophy, Nos

Lens, Cortex

Cataract

Kidney

Hemorrhage

Liver

Nephropathy

Clear-Cell Change

Cytoplasmic Change, Basophilic

Granuloma, Nos

Periportal Bile Ductule

Hyperplasia, Nos

Metamorphosis, Fatty

Pancreas

Acinus

Atrophy, Nos

Spleen

Fibrosis

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

Unspecified

Adipose Tissue

Necrosis, Fat

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_002

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 062.5 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis
Kidney		Cyst, Nos
		Nephropathy
Liver	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
	Centrilobular	Necrosis, Nos
Lung		Alveolar Macrophages
Lymph node		Lymphangiectasis
		Necrosis, Nos
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Hyperplasia, Epithelial
		Inflammation, Active Chronic
Spleen		Fibrosis
		Hemosiderosis
Stomach	Forestomach	Edema, Nos
	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Chronic
	Forestomach	Ulcer, Nos
Testis		Hyperplasia, Interstitial Cell
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_003

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Hyperplasia, Focal

Medulla

Pheochromocytoma, Malignant

Eye

Retina

Atrophy, Nos

Lens, Cortex

Cataract

Kidney

Nephropathy

Liver

Clear-Cell Change

Cytoplasmic Change, Basophilic

Periportal Bile Ductule

Hyperplasia, Nos

Pancreas

Acinus

Atrophy, Nos

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_004

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Eye

Retina

Atrophy, Nos

Lens, Cortex

Cataract

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Periportal Bile Ductule

Hyperplasia, Nos

Lung

Alveolar/Bronchiolar Carcinoma

Pancreas

Islets

Islet-Cell Adenoma

Pituitary gland

Anterior Pituitary

Hyperplasia, Focal

Preputial gland

Adenoma, Nos

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_005

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Periportal Bile Ductule	Hyperplasia, Nos
		Necrosis, Coagulative
Pancreas	Acinus	Atrophy, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_006

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Eye

Retina

Atrophy, Nos

Lens, Cortex

Cataract

Kidney

Nephropathy

Liver

Clear-Cell Change

Periportal Bile Ductule

Hyperplasia, Nos

Skin

Cyst, Epidermal Inclusion

Testis

Atrophy, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_007

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
		Granuloma, Nos
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Adipose Tissue	Necrosis, Fat

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_008

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Dosing Accident

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Brain		Hemorrhage
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
		Hemorrhage
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Vacuolization
	Periportal Bile Ductule	Hyperplasia, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Hyperplasia, Interstitial Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_009

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 062.5 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hyperplasia, Nos
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Centrilobular	Angiectasis
	Periportal Bile Ductule	Hyperplasia, Nos
	Centrilobular	Metamorphosis, Fatty
Preputial gland		Adenoma, Nos
		Distention
Spleen		Ectopia
		Hematopoiesis
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Atrophy, Nos
	Spermia	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified		Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_010

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 062.5 MG/KG

DISP: Dosing Accident

HISTO:

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Periportal Bile Ductule	Hyperplasia, Nos
Lymph node	Mesenteric Lymph Node	Hemorrhage
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Salivary gland		Atrophy, Nos
Spleen		Fibrosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_011

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Dosing Accident

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Liver

Centrilobular

Cytoplasmic Vacuolization

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_012

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Eye

Retina

Atrophy, Nos

Lens, Cortex

Cataract

Kidney

Hemorrhage

Liver

Nephropathy

Cytoplasmic Change, Basophilic

Granuloma, Nos

Periportal Bile Ductule

Hyperplasia, Nos

Testis

Metamorphosis, Fatty

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_013

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Eye

Lens, Cortex

Cataract

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Periportal Bile Ductule

Hyperplasia, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_014

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma, Malignant
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
		Hemorrhage
Kidney		Nephropathy
Liver	Centrilobular	Congestion, Nos
	Periportal Bile Ductule	Hyperplasia, Nos
		Mineralization
	Centrilobular	Necrosis, Nos
Lung		Mineralization
Lymph node	Mandibular Lymph Node	Hemorrhage

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_015

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Eye

Retina

Atrophy, Nos

Lens, Cortex

Cataract

Kidney

Nephropathy

Liver

Necrosis, Coagulative

Mammary gland

Fibroadenoma

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_016

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Alveolar/Bronchiolar Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Fibrosis
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_017

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Blood vessel

Artery Nos

Periarteritis

Eye

Retina

Atrophy, Nos

Lens, Cortex

Cataract

Kidney

Nephropathy

Liver

Angiectasis

Clear-Cell Change

Cytoplasmic Change, Basophilic

Periportal Bile Ductule

Hyperplasia, Nos

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_018

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Eye

Retina

Atrophy, Nos

Lens, Cortex

Cataract

Kidney

Nephropathy

Pyelonephritis, Nos

Liver

Metamorphosis, Fatty

Lung

Alveolar Macrophages

Pancreas

Acinus

Atrophy, Nos

Skin

Cyst, Epidermal Inclusion

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_019

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Eye

Retina

Atrophy, Nos

Lens, Cortex

Cataract

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Cytoplasmic Change, Nos

Periportal Bile Ductule

Hyperplasia, Nos

Metamorphosis, Fatty

Testis

Atrophy, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_020

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Eye

Retina

Atrophy, Nos

Lens, Cortex

Cataract

Kidney

Hyperplasia, Tubular Cell

Nephropathy

Liver

Clear-Cell Change

Periportal Bile Ductule

Hyperplasia, Nos

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

Unspecified

Adipose Tissue

Hemorrhage

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_021

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Eye

Cortex Nos

Hyperplasia, Focal

Retina

Atrophy, Nos

Lens, Cortex

Cataract

Kidney

Nephropathy

Liver

Periportal Bile Ductule

Hyperplasia, Nos

Lung

Alveolar Macrophages

Skin

Cyst, Epidermal Inclusion

Testis

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_022

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Retina  
Lens, Cortex

Atrophy, Nos  
Cataract  
Hemorrhage

Heart

Myocardium Nos  
Myocardium Nos

Fibrosis  
Inflammation, Chronic

Kidney

Liver

Nephropathy  
Cytoplasmic Change, Basophilic  
Hernia, Nos

Mammary gland

Pituitary gland

Anterior Pituitary  
Anterior Pituitary

Fibroadenoma  
Adenoma, Nos  
Hyperplasia, Focal

Stomach

Glandular Stomach

Cyst, Multiple

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_023

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Pancreas	Islets	Hyperplasia, Nos
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified		Fibroma
	Adipose Tissue	Necrosis, Fat

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_024

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Retina

Atrophy, Nos

Kidney

Lens, Cortex

Cataract

Liver

Nephropathy

Clear-Cell Change

Cytoplasmic Change, Basophilic

Cytoplasmic Vacuolization

Granuloma, Nos

Hyperplasia, Nos

Pancreas

Periportal Bile Ductule

Atrophy, Nos

Preputial gland

Acinus

Adenoma, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_025

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Eye

Retina

Atrophy, Nos

Lens, Cortex

Cataract

Kidney

Nephropathy

Liver

Angiectasis

Clear-Cell Change

Cytoplasmic Change, Basophilic

Periportal Bile Ductule

Hyperplasia, Nos

Metamorphosis, Fatty

Skin

Keratoacanthoma

Thyroid

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_026

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Medulla	Pheochromocytoma, Malignant
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
		Granuloma, Nos
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Alveolar/Bronchiolar Carcinoma
		Inflammation, Chronic
		Perivascular Cuffing
Skin		Cyst, Epidermal Inclusion
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_027

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Eye

Medulla

Hyperplasia, Focal

Heart

Retina

Atrophy, Nos

Kidney

Lens, Cortex

Cataract

Liver

Myocardium Nos

Fibrosis

Nephropathy

Clear-Cell Change

Cytoplasmic Change, Basophilic

Pituitary gland

Periportal Bile Ductule

Hyperplasia, Nos

Testis

Anterior Pituitary

Adenoma, Nos

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_028

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Eye

Lens, Cortex

Cataract

Hemorrhage

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Liver

Periportal Bile Ductule

Hyperplasia, Nos

Metamorphosis, Fatty

Lung

Edema, Nos

Prostate

Inflammation, Active Chronic

Testis

Atrophy, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_029

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Medulla

Hyperplasia, Focal

Eye

Retina

Atrophy, Nos

Lens, Cortex

Cataract

Kidney

Nephropathy

Liver

Clear-Cell Change

Cytoplasmic Change, Basophilic

Periportal Bile Ductule

Hyperplasia, Nos

Metamorphosis, Fatty

Lung

Hyperplasia, Adenomatous

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Cyst, Nos

Skin

Sebaceous Adenoma

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_030

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
		Neoplastic Nodule
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Focal
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_031

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Dosing Accident

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
		Hemorrhage
Fascia		Hemorrhage
Heart	Myocardium Nos	Fibrosis
Kidney	Tubule	Cytoplasmic Vacuolization
		Nephropathy
Liver	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
		Necrosis, Coagulative
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Stomach	Forestomach	Hyperkeratosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_032

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Dosing Accident

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Myocardium Nos

Fibrosis

Lung

Myocardium Nos

Inflammation, Chronic

Edema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_033

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Eye

Retina

Atrophy, Nos

Lens, Cortex

Cataract

Hemorrhage

Kidney

Cyst, Nos

Nephropathy

Liver

Clear-Cell Change

Cytoplasmic Change, Basophilic

Granuloma, Nos

Periportal Bile Ductule

Hyperplasia, Nos

Metamorphosis, Fatty

Preputial gland

Adenoma, Nos

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_034

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Eye

Retina

Atrophy, Nos

Kidney

Lens, Cortex

Cataract

Liver

Periportal Bile Ductule

Nephropathy

Cytoplasmic Change, Basophilic

Hyperplasia, Nos

Lung

Metamorphosis, Fatty

Squamous Cell Carcinoma

Testis

Atrophy, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_035

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Cortex Nos

Metamorphosis, Fatty

Medulla

Pheochromocytoma

Eye

Retina

Atrophy, Nos

Lens, Cortex

Cataract

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Granuloma, Nos

Periportal Bile Ductule

Hyperplasia, Nos

Thyroid

Metamorphosis, Fatty

Tongue

Hyperplasia, C Cell

Hemorrhage

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_036

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Blood vessel	Pulmonary Artery Nos	Mineralization
Brain		Glioma, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cytoplasmic Vacuolization
		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Metamorphosis, Fatty
Lung		Edema, Nos
		Pneumonia, Aspiration
Prostate		Hyperplasia, Epithelial
		Inflammation, Active Chronic
Stomach	Glandular Stomach	Cyst, Multiple
	Forestomach	Inflammation, Acute
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_037

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Eye

Retina

Atrophy, Nos

Lens, Cortex

Cataract

Kidney

Nephropathy

Liver

Periportal Bile Ductule

Hyperplasia, Nos

Lung

Alveolar/Bronchiolar Carcinoma

Pancreas

Acinus

Atrophy, Nos

Testis

Atrophy, Nos

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_038

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Hyperplasia, Focal

Medulla

Pheochromocytoma

Eye

Retina

Atrophy, Nos

Lens, Cortex

Cataract

Kidney

Nephropathy

Liver

Clear-Cell Change

Cytoplasmic Change, Basophilic

Periportal Bile Ductule

Hyperplasia, Nos

Pancreas

Acinus

Atrophy, Nos

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_039

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Dosing Accident

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Myocardium Nos

Inflammation, Chronic

Salivary gland

Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_040

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Dosing Accident

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Periportal Bile Ductule	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Spleen	Capsule	Fibrosis
Testis		Hyperplasia, Interstitial Cell
Unspecified	Adipose Tissue	Necrosis, Fat

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_041

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
Pancreas	Acinus	Hyperplasia, Focal
Preputial gland		Abscess, Nos
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Nos
Thyroid		Hyperplasia, C Cell
Zymbal gland		Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_042

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Granuloma, Nos
		Hyperplasia, Nos
Pancreas	Islets	Metamorphosis, Fatty
Testis		Hyperplasia, Focal
		Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor
		C-Cell Adenoma
		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_043

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Eye

Retina

Atrophy, Nos

Lens, Cortex

Cataract

Kidney

Nephropathy

Liver

Clear-Cell Change

Cytoplasmic Change, Basophilic

Granuloma, Nos

Periportal Bile Ductule

Hyperplasia, Nos

Metamorphosis, Fatty

Lung

Perivascular Cuffing

Pancreas

Acinus

Atrophy, Nos

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

Unspecified

Fibroma

Fibrosarcoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_044

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Eye

Medulla

Pheochromocytoma, Malignant

Kidney

Retina

Atrophy, Nos

Liver

Lens, Cortex

Cataract

Lung

Periportal Bile Ductule

Nephropathy

Testis

Clear-Cell Change

Cytoplasmic Change, Basophilic

Hyperplasia, Nos

Alveolar/Bronchiolar Adenoma

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_045

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Congestion, Nos
Prostate		Inflammation, Active Chronic
Testis		Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_046

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Eye

Retina

Atrophy, Nos

Kidney

Lens, Cortex

Cataract

Liver

Nephropathy

Clear-Cell Change

Cytoplasmic Change, Basophilic

Periportal Bile Ductule

Hyperplasia, Nos

Metamorphosis, Fatty

Pancreas

Acinus

Atrophy, Nos

Testis

Atrophy, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_047

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lymph node		Hemorrhage
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
Thyroid		Hyperplasia, C Cell
Unspecified		Sarcoma, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_048

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Eye

Retina

Atrophy, Nos

Lens, Cortex

Cataract

Kidney

Nephropathy

Liver

Periportal Bile Ductule

Hyperplasia, Nos

Prostate

Metamorphosis, Fatty

Testis

Inflammation, Active Chronic

Atrophy, Nos

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

Urinary bladder

Hyperplasia, C Cell

Polyp, Inflammatory

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_049

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Eye	Lens, Cortex	Cataract
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic Hyperplasia, Nos
Lung	Periportal Bile Ductule	Alveolar Macrophages Edema, Nos
Testis		Hyperplasia, Adenomatous Atrophy, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Unspecified		Fibroma
	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 2\_050

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 062.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
	Medulla	Pheochromocytoma, Malignant
Blood vessel	Artery Nos	Necrosis, Fibrinoid
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Focal
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_101

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Eye	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
		Granuloma, Nos
	Periportal Bile Ductule	Hyperplasia, Nos
Pituitary gland	Intermedia	Angiectasis
	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Prostate		Inflammation, Active Chronic
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_102

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Change, Nos
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Congestion, Nos
		Perivascular Cuffing
Prostate		Inflammation, Active Chronic
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 3\_103

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow		Hyperplasia, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Liver		Angiectasis
Pituitary gland	Anterior Pituitary	Cyst, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Testis		Hyperplasia, Interstitial Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_104

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma, Malignant
Blood vessel	Pulmonary Artery Nos	Mineralization
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Periportal Bile Ductule	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Posterior Lobe	Cyst, Multiple
	Posterior Lobe	Embryonal Rest
Prostate		Inflammation, Active Chronic
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 3\_105

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Cytoplasmic Vacuolization

Pituitary gland

Anterior Pituitary

Hyperplasia, Focal

Unspecified

Sarcoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_106

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
Bone marrow		Fibrosis, Myelo
		Hyperplasia, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
		Granuloma, Nos
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Alveolar Macrophages
		Metaplasia, Osseous
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Atrophy, Nos
Salivary gland		Atrophy, Nos
Testis	Spermia	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified		Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_107

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change
	Periportal Bile Ductule	Cytoplasmic Vacuolization
		Hyperplasia, Nos
Lung		Perivascular Cuffing
Pancreas	Acinus	Atrophy, Nos
Prostate		Inflammation, Active Chronic
Stomach	Glandular Stomach	Cyst, Multiple
Testis	Spermia	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Adipose Tissue	Necrosis, Fat

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_108

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Cortex Nos	Angiectasis Hyperplasia, Focal
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change Cytoplasmic Change, Basophilic Granuloma, Nos Hernia, Nos
	Periportal Bile Ductule	Hyperplasia, Nos Metamorphosis, Fatty
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis	Spermia	Degeneration, Nos Interstitial-Cell Tumor
Unspecified	Adipose Tissue	Necrosis, Fat

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_109

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
		Granuloma, Nos
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_110

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Brain		Oligodendroglioma
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Congestion, Nos
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Congestion, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Skeletal muscle	Hip/Thigh	Sarcoma, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_111

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Pheochromocytoma
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
Heart	Lens, Cortex	Cataract
Kidney	Myocardium Nos	Fibrosis
Liver		Nephropathy
		Cytoplasmic Change, Basophilic
		Granuloma, Nos
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
Prostate		Inflammation, Active Chronic
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Atrophy, Nos
	Spermia	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 3\_112

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Periportal Bile Ductule	Hyperplasia, Nos
Lung		Alveolar Macrophages
		Congestion, Nos
Lymph node	Mesenteric Lymph Node	Hemorrhage
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Testis		Hyperplasia, Interstitial Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_113

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Pheochromocytoma
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
Heart	Lens, Cortex	Cataract
Kidney	Myocardium Nos	Fibrosis
Liver		Nephropathy Clear-Cell Change Cytoplasmic Change, Basophilic Granuloma, Nos
Lung	Periportal Bile Ductule	Hyperplasia, Nos Alveolar/Bronchiolar Adenoma
Pituitary gland	Anterior Pituitary Anterior Pituitary	Adenoma, Nos Hyperplasia, Focal
Preputial gland		Atrophy, Nos
Salivary gland		Atrophy, Nos
Stomach	Forestomach Forestomach	Hyperplasia, Epithelial Inflammation, Active Chronic
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_114

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
		Cytoplasmic Change, Nos
		Granuloma, Nos
	Periportal Bile Ductule	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas	Islets	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Salivary gland		Atrophy, Nos
	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_115

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Medulla	Angiectasis Pheochromocytoma
Epididymis		Degeneration, Nos
Eye	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change Cytoplasmic Change, Basophilic Hyperplasia, Nos Metamorphosis, Fatty
Lung	Periportal Bile Ductule	Inflammation, Chronic
Prostate		Inflammation, Active Chronic
Skin		Cyst, Epidermal Inclusion
Stomach	Glandular Stomach	Cyst, Multiple
Testis	Spermia	Degeneration, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Atrophy, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_116

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Angiectasis Hyperplasia, Focal
Bone marrow		Hyperplasia, Nos
Eye	Retina Lens, Cortex	Atrophy, Nos Cataract Hemorrhage
Heart	Endocardium Nos Myocardium Nos	Fibrosis Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic Cytoplasmic Vacuolization Granuloma, Nos Hyperplasia, Nos Metamorphosis, Fatty Inflammation, Chronic
Lung		Islet-Cell Adenoma
Pancreas	Islets	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Atrophy, Nos
Preputial gland		Dysplasia, Epithelial
Salivary gland	Submaxillary Duct	Papilloma, Nos
Skin		Cyst, Multiple
Stomach	Glandular Stomach	Atrophy, Nos
Testis	Spermia	Degeneration, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma Hyperplasia, C Cell
Unspecified	Adipose Tissue	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_117

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
		Necrosis, Coagulative
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Salivary gland		Atrophy, Nos
	Submaxillary Duct	Dysplasia, Epithelial
Spleen		Ectopia
Stomach	Glandular Stomach Forestomach	Cyst, Multiple Hyperplasia, Epithelial
Testis		Atrophy, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos Adipose Tissue	Leukemia, Mononuclear Cell Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_118

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
		Hemorrhage
Heart	Myocardium Nos	Fibrosis
		Thrombus, Fibrin
Kidney		Nephropathy
Liver	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
		Thrombus, Fibrin
Lung		Hemorrhage
Mammary gland		Hyperplasia, Cystic
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Atrophy, Nos
	Spermia	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_119

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Adenoma
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Chronic
Testis		Hyperplasia, Interstitial Cell
Thyroid		Hyperplasia, C Cell
Zymbal gland		Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_120

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hyperplasia, Nos
Epididymis		Degeneration, Nos
Esophagus		Hyperkeratosis
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
		Hemorrhage
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
		Necrosis, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Stomach	Forestomach	Hyperplasia, Epithelial
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Adipose Tissue	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 3\_121

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Brain	Cerebellum Nos	Abscess, Nos
Eye	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Nasal cavity		Thrombus, Fibrin
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Prostate		Inflammation, Active Chronic
Stomach	Forestomach	Necrosis, Nos
Testis		Hyperplasia, Interstitial Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_122

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hyperplasia, Nos
Esophagus		Hyperkeratosis
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Angiectasis
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Atrophy, Nos
Skin	Foot And Toe Nos	Hyperkeratosis
Spleen		Fibrosis
		Hematopoiesis
Stomach	Glandular Stomach	Cyst, Multiple
	Forestomach	Ulcer, Nos
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified		Sarcoma, Nos
	Multiple Organs Nos	Sarcoma, Nos, Metastatic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_123

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Nos
	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Hyperplasia, Epithelial
		Inflammation, Active Chronic
Stomach	Glandular Stomach	Cyst, Multiple
Testis	Spermia	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 3\_125

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Periportal Bile Ductule

Hyperplasia, Nos

Lung

Congestion, Nos

Edema, Nos

Perivascular Cuffing

Mammary gland

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Prostate

Inflammation, Active Chronic

Salivary gland

Inflammation, Chronic

Testis

Hyperplasia, Interstitial Cell

Thymus

Hemorrhage

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_126

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Granuloma, Nos
	Periportal Bile Ductule	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Spleen		Fibrosis
Testis		Hyperplasia, Interstitial Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_127

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Atrophy, Nos
Eye	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Nos
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Congestion, Nos
		Edema, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Spleen		Hemosiderosis

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_128

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Medulla	Angiectasis Hyperplasia, Focal Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Eye	Lens, Cortex	Cataract
Heart	Myocardium Nos Myocardium Nos	Fibrosis Inflammation, Chronic
Kidney		Nephropathy
Liver		Clear-Cell Change Cytoplasmic Change, Basophilic Cytoplasmic Vacuolization
Prostate	Periportal Bile Ductule	Hyperplasia, Nos Inflammation, Active Chronic
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis	Spermia	Degeneration, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos Multiple Organs Nos	Atrophy, Nos Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_129

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Blood vessel	Pulmonary Artery Nos	Mineralization
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Metamorphosis, Fatty
Lung		Alveolar/Bronchiolar Adenoma
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Chronic
Stomach	Glandular Stomach	Cyst, Multiple
	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Chronic
Testis		Hyperplasia, Interstitial Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_130

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Pancreas	Acinus	Atrophy, Nos
Prostate		Inflammation, Active Chronic
Spleen		Fibrosis
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Atrophy, Nos
	Spermia	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_131

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Medulla	Angiectasis Hyperplasia, Focal Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
Heart	Lens, Cortex	Cataract
Kidney	Myocardium Nos	Fibrosis
Liver		Nephropathy
		Cytoplasmic Change, Basophilic
		Granuloma, Nos
	Periportal Bile Ductule	Hyperplasia, Nos
Lung		Hemorrhage
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Atrophy, Nos
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Adipose Tissue	Necrosis, Fat
Zymbal gland		Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_132

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Periportal Bile Ductule	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Spleen		Leukemia, Mononuclear Cell
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_133

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Preputial gland		Atrophy, Nos
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Testis	Spermia	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_134

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
		Hemorrhage
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_135

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Inflammation, Active Chronic
Pancreas		Acinar-Cell Adenoma
		Fibrosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Testis		Hyperplasia, Interstitial Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_136

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Pituitary gland	Anterior Pituitary	Angiectasis
	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Atrophy, Nos
Spleen		Hematopoiesis
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified		Fibroma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_137

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Bone marrow		Atrophy, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Periportal Bile Ductule	Hyperplasia, Nos
Lung		Congestion, Nos
		Edema, Nos
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Spleen		Hemosiderosis

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_138

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Cortex Nos Medulla	Angiectasis Hyperplasia, Focal Hyperplasia, Focal
Eye	Retina Lens, Cortex	Atrophy, Nos Cataract
Heart	Myocardium Nos Myocardium Nos	Degeneration, Nos Fibrosis
Kidney		Nephropathy
Liver		Clear-Cell Change Cytoplasmic Change, Basophilic Cytoplasmic Vacuolization
Lung	Periportal Bile Ductule	Hyperplasia, Nos C-Cell Carcinoma, Metastatic
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Hemorrhage
Preputial gland		Atrophy, Nos
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis	Spermia	Degeneration, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_139

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Metamorphosis, Fatty Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
Heart	Lens, Cortex	Cataract
Kidney	Myocardium Nos	Fibrosis
Liver		Nephropathy
		Angiectasis
		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Spleen		Fibrosis
Unspecified		Fibroma
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_140

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Eye	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Angiectasis
		Clear-Cell Change
		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Atrophy, Nos
	Mediastinum Nos	Cyst, Nos
	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Mediastinum Nos	Mesothelioma, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_141

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Cortex Nos Medulla	Angiectasis Hyperplasia, Focal Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Epididymis		Degeneration, Nos
Eye	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Periportal Bile Ductule	Cytoplasmic Change, Basophilic Hyperplasia, Nos Metamorphosis, Fatty
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Skin		Cyst, Epidermal Inclusion
Stomach	Forestomach	Hyperplasia, Epithelial
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos Adipose Tissue	Atrophy, Nos Necrosis, Fat

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_142

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hyperplasia, Nos
Brain	Cerebellum Nos	Necrosis, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Kidney	Tubule	Metamorphosis, Fatty
		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Spinal cord		Hemorrhage
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Hyperplasia, Interstitial Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Hemorrhage

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_143

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
Lung		Hyperplasia, Adenomatous
Mammary gland		Hyperplasia, Cystic
Pancreas		Ectopia
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Salivary gland		Atrophy, Nos
	Submaxillary Duct	Dysplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Multiple
Testis	Spermia	Degeneration, Nos
		Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor
		C-Cell Adenoma
		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_144

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
Eye	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver	Periportal Bile Ductule	Hyperplasia, Nos
Lung		Perivascular Cuffing
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Inflammation, Chronic
Pancreas		Ectopia
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Salivary gland		Inflammation, Chronic
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Atrophy, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

**ANIMAL ID:** 3\_145

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
Lung		Alveolar Macrophages
Nasal cavity		Inflammation, Active Chronic
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Skin		Cyst, Epidermal Inclusion
Stomach	Glandular Stomach	Cyst, Multiple
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_146

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Eye	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Angiectasis
		Cytoplasmic Change, Basophilic
	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Granuloma, Nos
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Adenoma, Nos
		Inflammation, Active Chronic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Salivary gland	Submaxillary Duct	Dysplasia, Epithelial
Spleen		Ectopia
Stomach	Glandular Stomach	Cyst, Multiple
Testis	Spermia	Degeneration, Nos
		Hyperplasia, Interstitial Cell
Thyroid		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Atrophy, Nos
	Adipose Tissue	Necrosis, Fat

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_147

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
	Cortex Nos	Necrosis, Coagulative
	Medulla	Pheochromocytoma
Blood vessel	Artery Nos	Mineralization
Bone marrow		Hyperplasia, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic
Intestine Small	Mesentery Nos	Inflammation, Acute/Chronic
Kidney		Nephropathy
		Pyelonephritis, Acute
Liver	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Edema, Nos
Lymph node	Mesenteric Lymph Node	Inflammation, Acute
Nasal cavity		Inflammation, Active Chronic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Spleen		Hematopoiesis
Testis	Spermia	Atrophy, Nos
		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thymus		Hemorrhage
Urinary bladder	Mucosa	Inflammation, Acute Necrotizing

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55787

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:09:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_148

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma, Malignant
Blood vessel	Testicular Artery	Inflammation, Fibrinoid
Epididymis		Degeneration, Nos
Eye	Retina	Atrophy, Nos
	Lens, Cortex	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Alveolar Macrophages
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Atrophy, Nos
Prostate		Inflammation, Active Chronic
Salivary gland		Atrophy, Nos
	Submaxillary Duct	Dysplasia, Epithelial
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
Thyroid		Hyperplasia, C Cell
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 3\_149

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Dosing Accident

**HISTO:**

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**OBSERVATIONS**

Liver  
Lung  
Salivary gland

Centrilobular

Metamorphosis, Fatty  
Edema, Nos  
Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55787

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Hexylresorcinol

**CAS Number:** 136-77-6

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:09:52

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

**Lab:** NA

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**ANIMAL ID:** 3\_150

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Dosing Accident

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver	Periportal Bile Ductule	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Edema, Nos
Testis		Hyperplasia, Interstitial Cell

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**PRIMARY CAUSE OF DEATH**

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**\*\* END OF REPORT \*\***