

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**C Number:** C55072

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Male

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 1\_201

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Epididymis		Edema, Interstitial
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Bile Duct	Focal Cellular Change
		Hyperplasia, Nos
		Neoplastic Nodule
Lung		Inflammation, Chronic Focal
Pancreas		Acinar-Cell Adenoma
	Islets	Islet-Cell Carcinoma
Parathyroid gland		Hyperplasia, Nos
Skin		Keratoacanthoma
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 1\_202

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Kidney	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Pancreas	Acinus	Hyperplasia, Focal
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 1\_203

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Fibrosis
Intestine Large	Cecum, Colon	Hemorrhage
Kidney		Hyperplasia, Lymphoid
		Nephropathy
Liver		Degeneration, Cystic
		Fibrosis, Cholangio
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Hyperplasia, Plasma Cell
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Skin		Basal-Cell Carcinoma
Spleen		Hematopoiesis
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_204

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone marrow		Fibrosis, Myelo
Eye	Crystalline Lens	Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Degeneration, Cystic
		Fibrosis, Cholangio
		Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Metaplasia, Osseous
Pancreas	Acinus	Atrophy, Focal
	Islets	Islet-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Cystic Follicles
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 1\_205

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis Myxomatosis, Cardiac Valve
Kidney	Left Ventricle Nos	Thrombus, Fibrin Nephropathy
	Tubule	Pigmentation, Nos Hepatitis, Toxic
Liver		Hyperplasia, Lymphoid
Lung		Inflammation, Suppurative
Prostate		Acanthosis
Stomach	Forestomach	Necrosis, Focal
	Glandular Stomach	Degeneration, Nos
Testis	Tubule	Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Transitional-Cell Papilloma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_206

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Degeneration, Cystic
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Lymphangiectasis
	Mesenteric Lymph Node	Lymphangiectasis
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Suppurative
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
Unspecified		Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 1\_207

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Parasitism
Kidney		Hyperplasia, Lymphoid
		Nephropathy
Liver		Degeneration, Cystic
	Bile Duct	Focal Cellular Change
		Hyperplasia, Nos
		Neoplastic Nodule
Lung		Fibrosarcoma, Metastatic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas		Acinar-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Focal
Skin		Squamous Cell Carcinoma
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Ear	Fibrosarcoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 1\_208

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Fibrosis, Myelo

Heart

Inflammation, Chronic

Kidney

Tubule

Cast, Nos

Liver

Inflammation, Chronic

Degeneration, Cystic

Preputial gland

Fibrosis, Cholangio

Carcinoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 1\_209

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Epididymis

Kidney

Liver

Lung

Pancreas

Testis

Unspecified

Tubule

Acinus

Multiple Organs Nos

Fibrosis

Inflammation, Chronic

Pigmentation, Nos

Hepatitis, Toxic

Neoplastic Nodule

Inflammation, Chronic

Hyperplasia, Focal

Hypospermatogenesis

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 1\_210

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Tubule

Cast, Nos

Inflammation, Chronic

Liver

Fibrosis, Cholangio

Unspecified

Bile Duct

Hyperplasia, Nos

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_211

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Fibrosis
Kidney		Cyst, Nos
		Nephropathy
Liver		Degeneration, Cystic
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
		Inflammation, Chronic
Lung		Erythrophagocytosis
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Renal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Lymphangiectasis
	Mesenteric Lymph Node	Lymphangiectasis
	Renal Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Pigmentation, Nos
	Renal Lymph Node	Pigmentation, Nos
Pancreas		Acinar-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 1\_212

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain	Ventricle	Dilatation, Nos
Kidney	Tubule	Cast, Nos
		Inflammation, Chronic
Liver		Degeneration, Cystic
		Fibrosis, Cholangio
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
		Angiectasis
Seminal vesicle		Inflammation, Suppurative
Testis		Aspermatogenesis
		Degeneration, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_213

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Epididymis		Edema, Interstitial
Heart	Myocardium Nos	Fibrosis
Kidney		Cyst, Nos
		Nephropathy
Liver		Angiectasis
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
		Hemangiosarcoma, Metastatic
	Mandibular Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Pigmentation, Nos
	Mesenteric Lymph Node	Pigmentation, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Dilatation, Ducts
		Fibrosis
		Inflammation, Chronic
Prostate		Inflammation, Suppurative
Salivary gland		Fibrosarcoma
Spleen		Hemangiosarcoma
Testis		Degeneration, Nos
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_214

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Brain	Cerebrum	Astrocytoma
Heart	Myocardium Nos	Fibrosis
Kidney		Hyperplasia, Lymphoid
		Nephropathy
Liver		Angiectasis
		Degeneration, Cystic
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_215

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Fibrosis
Kidney		Hyperplasia, Lymphoid
		Nephropathy
Liver		Degeneration, Cystic
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mandibular Lymph Node	Lymphangiectasis
Pancreas		Acinar-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Carcinoma, Nos
Prostate		Inflammation, Acute/Chronic
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 1\_216

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Myocardium Nos

Bile Duct

Lung

Pancreas

Pituitary gland

Prostate

Salivary gland

Testis

Islets

Anterior Pituitary

Tubule

Tubule

Tubule

Unspecified

Multiple Organs Nos

Cortical Adenoma

Fibrosis

Nephropathy

Degeneration, Cystic

Hepatitis, Toxic

Hyperplasia, Focal

Hyperplasia, Nos

Fibrosarcoma, Metastatic

Islet-Cell Adenoma

Adenoma, Nos

Inflammation, Acute/Chronic

Fibrosarcoma

Aspermatogenesis

Degeneration, Nos

Granuloma, Spermatic

Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 1\_217

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Cast, Nos

Liver

Inflammation, Chronic

Lymph node

Bile Duct

Hyperplasia, Nos

Pituitary gland

Renal Lymph Node

Neurofibrosarcoma, Metastatic

Testis

Hypertrophy, Focal

Unspecified

Abdominal Cavity

Interstitial-Cell Tumor

Neurofibrosarcoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 1\_218

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Fibrosis

Kidney

Myxomatosis, Cardiac Valve

Congestion, Nos

Liver

Nephropathy

Degeneration, Cystic

Fibrosis, Cholangio

Bile Duct

Hyperplasia, Nos

Hyperplasia, Nos

Lung

Alveolar/Bronchiolar Adenoma

Pancreas

Acinus

Hyperplasia, Focal

Parathyroid gland

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Prostate

Inflammation, Acute/Chronic

Testis

Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_219

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Eye	Crystalline Lens	Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Parasitism
Kidney		Cyst, Nos
		Hyperplasia, Lymphoid
Liver		Nephropathy
		Angiectasis
		Degeneration, Cystic
	Bile Duct	Focal Cellular Change
		Hyperplasia, Nos
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
		Inflammation, Chronic Focal
Pancreas	Acinus	Atrophy, Focal
	Islets	Hyperplasia, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Fibrosis, Focal
	Anterior Pituitary	Pigmentation, Nos
Prostate		Inflammation, Suppurative
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_220

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

**OBSERVATIONS**

Brain	Meninges	Carcinoma, Nos, Invasive
Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Bile Duct	Focal Cellular Change
		Hyperplasia, Nos
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Parathyroid gland		Hyperplasia, Nos
Pineal gland	Pineal Body	Carcinoma, Nos
Pituitary gland	Anterior Pituitary	Angiectasis
	Anterior Pituitary	Hyperplasia, Focal
Prostate		Abscess, Nos
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified		Fibroma
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 1\_221

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Lung		Inflammation, Chronic
Pancreas	Acinus	Atrophy, Nos
Spleen		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Zymbal gland		Carcinoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

---

**ANIMAL ID:** 1\_222

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Fibrosis

Liver

Fibrosis, Cholangio

Prostate

Inflammation, Suppurative

Stomach

Mucosa

Ulcer, Perforated

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Lymphoma, Undifferentiated-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

---

**ANIMAL ID:** 1\_223

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Fibrosis
Kidney		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Carcinoma, Metastatic
Lymph node	Mandibular Lymph Node	Carcinoma, Invasive
Salivary gland		Carcinoma, Invasive
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Zymbal gland		Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

---

**ANIMAL ID:** 1\_224

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Pigmentation, Nos

Liver

Fibrosis, Cholangio

Hepatitis, Toxic

Bile Duct

Hyperplasia, Nos

Lung

Inflammation, Chronic

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_225

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Crystalline Lens	Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Hyperplasia, Lymphoid
		Nephropathy
Liver		Angiectasis
		Degeneration, Cystic
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Alveolar Macrophages
		Alveolar/Bronchiolar Adenoma
		Hyperplasia, Lymphoid
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mediastinal Lymph Node	Hyperplasia, Plasma Cell
	Mediastinal Lymph Node	Hyperplasia, Reticulum Cell
	Mandibular Lymph Node	Lymphangiectasis
Preputial gland		Carcinoma, Nos
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

---

**ANIMAL ID:** 1\_226

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis Myxomatosis, Cardiac Valve
Kidney		Hyperplasia, Lymphoid Nephropathy
Liver		Degeneration, Cystic Focal Cellular Change
	Bile Duct	Hyperplasia, Nos Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Lymphangiectasis
Pancreas	Islets	Islet-Cell Adenoma
Testis		Interstitial-Cell Tumor
Unspecified		Sebaceous Adenocarcinoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_227

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Brain	Cerebrum	Psammoma Bodies
Epididymis		Edema, Interstitial
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Focal Cellular Change
		Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
		Neoplastic Nodule
Lung		Alveolar/Bronchiolar Adenoma
		Hyperplasia, Lymphoid
		Inflammation, Chronic Focal
Lymph node	Mandibular Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas	Islets	Islet-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 1\_228

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Degeneration, Cystic
		Fibrosis, Cholangio
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Preputial gland		Carcinoma, Nos
Prostate		Hyperplasia, Epithelial
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 1\_229

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Heart		Myxomatosis, Cardiac Valve
Kidney		Hyperplasia, Lymphoid
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Degeneration, Cystic
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_230

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Eye	Crystalline Lens	Cataract
	Retina	Degeneration, Nos
Intestine Large	Cecum, Colon	Hemorrhage
Kidney		Hyperplasia, Lymphoid
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Degeneration, Cystic
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Lymphangiectasis
Pancreas	Acinus	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Hypertrophy, Focal
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	C-Cell Carcinoma
		Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 1\_231

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephropathy

Liver

Degeneration, Cystic

Hepatitis, Toxic

Bile Duct

Hyperplasia, Nos

Hyperplasia, Nos

Parathyroid gland

Hyperplasia, Nos

Salivary gland

Fibrosarcoma

Testis

Tubule

Degeneration, Nos

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:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 1\_232

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Heart	Myocardium Nos	Fibrosis
Liver		Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
Lymph node	Hepatic Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Hemorrhage
Stomach	Glandular Stomach	Ulcer, Acute
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

---

**ANIMAL ID:** 1\_233

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Esophagus		Hyperkeratosis
Kidney	Tubule	Dilatation, Nos
Liver		Degeneration, Cystic
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Fibrosarcoma, Metastatic
Thyroid		Leukocytosis, Nos
Unspecified	Abdominal Cavity	C-Cell Adenoma
	Multiple Organs Nos	Fibrosarcoma
Urinary bladder		Inflammation, Suppurative
		Hemorrhage
		Hyperplasia, Epithelial

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_234

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Epididymis		Inflammation, Chronic
		Necrosis, Fat
Heart	Myocardium Nos	Fibrosis
		Myxomatosis, Cardiac Valve
Kidney		Hyperplasia, Lymphoid
		Nephropathy
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Hyperplasia, Plasma Cell
Pancreas	Acinus	Hyperplasia, Focal
Parathyroid gland		Adenoma, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Acute/Chronic
Salivary gland		Fibrosarcoma
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_235

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Cyst, Nos
		Hepatitis, Toxic
		Hernia, Nos
	Bile Duct	Hyperplasia, Nos
Lymph node	Mandibular Lymph Node	Lymphangiectasis
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Acute/Chronic
Skin		Keratoacanthoma
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_236

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Fibrosis
		Myxomatosis, Cardiac Valve
Kidney		Hyperplasia, Lymphoid
		Nephropathy
Liver		Degeneration, Cystic
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mediastinal Lymph Node	Pigmentation, Nos
	Mesenteric Lymph Node	Pigmentation, Nos
Pancreas		Acinar-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Acute/Chronic
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Chlorendic acid  
**CAS Number:** 115-28-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:40:54  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_237

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Heart	Atrium	Thrombus, Organized
Kidney	Tubule	Pigmentation, Nos
Liver		Degeneration, Cystic
		Fibrosis, Cholangio
		Pigmentation, Nos
Lung		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mandibular Lymph Node	Lymphangiectasis
Spleen		Fibrosis
		Hemosiderosis
	Follicles	Necrosis, Nos
Unspecified	Diaphragm Nos	Degeneration, Nos
	Diaphragm Nos	Inflammation, Pyogranulomatous
	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 1\_238

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Congestion, Nos
		Nephropathy
Liver		Congestion, Nos
		Fibrosis, Focal
	Bile Duct	Hyperplasia, Nos
		Infarct, Nos
Lung		Alveolar/Bronchiolar Adenoma
		Congestion, Nos
		Edema, Nos
		Hyperplasia, Lymphoid
Lymph node	Mediastinal Lymph Node	Congestion, Nos
	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Suppurative
Testis	Tubule	Degeneration, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_239

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cortical Adenoma

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Pheochromocytoma

Atrium

Fibrosis

Intestine Large

Cecum, Colon

Thrombus, Fibrin

Kidney

Hemorrhage

Liver

Hyperplasia, Lymphoid

Nephropathy

Degeneration, Cystic

Fibrosis, Cholangio

Focal Cellular Change

Lung

Bile Duct

Hyperplasia, Nos

Lymph node

Mediastinal Lymph Node

Hyperplasia, Lymphoid

Testis

Mediastinal Lymph Node

Erythrophagocytosis

Tubule

Hemorrhage

Degeneration, Nos

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

---

**ANIMAL ID:** 1\_240

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Pigmentation, Nos

Liver

Hepatitis, Toxic

Bile Duct

Hyperplasia, Nos

Lymph node

Renal Lymph Node

Hemorrhage

Renal Lymph Node

Hemosiderosis

Stomach

Submucosa

Edema, Nos

Forestomach

Hemorrhage

Forestomach

Hyperkeratosis

Forestomach

Inflammation, Suppurative

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 1\_241

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Liver

Hepatitis, Toxic

Testis

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Lymphoma, Undifferentiated-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 1\_242

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Degeneration, Cystic
		Fibrosis, Cholangio
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Lymphangiectasis
Mammary gland		Galactocele
		Inflammation, Granulomatous Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Acute/Chronic
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 1\_243

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel	Hepatic Artery	Inflammation, Chronic
	Hepatic Artery	Thrombus, Fibrin
Kidney	Tubule	Cast, Nos
		Inflammation, Chronic
Liver		Fibrosis, Cholangio
		Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
Pancreas		Inflammation, Chronic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 1\_244

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Hyperplasia, Lymphoid Nephropathy
Liver		Degeneration, Cystic Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos Neoplastic Nodule
Lung		Hemorrhage Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas		Acinar-Cell Adenoma
	Islets	Islet-Cell Carcinoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Acute/Chronic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_245

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos Epicardium	Fibrosis Inflammation, Chronic Focal
Kidney		Hyperplasia, Lymphoid Nephropathy
Liver	Bile Duct	Degeneration, Cystic Hyperplasia, Nos Inflammation, Granulomatous Metamorphosis, Fatty
Lung		Alveolar/Bronchiolar Adenoma
Lymph node	Cervical Lymph Node Nos Mandibular Lymph Node	C-Cell Carcinoma, Metastatic Hyperplasia, Plasma Cell
Mammary gland		Galactocele
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Suppurative
Thyroid		C-Cell Carcinoma
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 1\_246

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Atrium	Thrombus, Organized
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Inflammation, Chronic Focal
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
Pancreas	Islets	Islet-Cell Adenoma
Prostate		Inflammation, Acute/Chronic
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 1\_247

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Heart	Atrium	Thrombus, Organized
Liver		Degeneration, Cystic
	Bile Duct	Hyperplasia, Nos
Lung		Leukocytosis, Nos
Stomach	Forestomach	Inflammation, Suppurative
	Forestomach	Ulcer, Nos
Testis		Interstitial-Cell Tumor
Thymus		Abscess, Nos
Trachea		Inflammation, Suppurative
Unspecified		Fibrosarcoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

---

**ANIMAL ID:** 1\_248

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Epididymis		Granuloma, Spermatic
Heart	Myocardium Nos	Fibrosis
Liver		Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
Prostate		Inflammation, Suppurative
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_249

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis Myxomatosis, Cardiac Valve
Intestine Large	Cecum, Colon	Hemorrhage
Kidney		Hyperplasia, Lymphoid Nephropathy
Liver		Degeneration, Cystic Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Alveolar Epithelium Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mesenteric Lymph Node	Lymphangiectasis
Pancreas	Islets	Islet-Cell Carcinoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Acute/Chronic
Skin	Flank	Keratoacanthoma
Testis		Hyperplasia, Interstitial Cell
Thyroid		C-Cell Adenoma
Unspecified	Flank	Fibroma
	Groin	Hemangiosarcoma
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 1\_250

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Brain	Cerebrum	Psammoma Bodies
Epididymis		Edema, Interstitial
Eye	Crystalline Lens	Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Fibrosis
		Myxomatosis, Cardiac Valve
	Atrium	Thrombus, Organized
Kidney		Nephropathy
Liver		Degeneration, Cystic
		Fibrosis, Cholangio
		Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
		Necrosis, Coagulative
Parathyroid gland		Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Back	Fibrosarcoma
	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_101

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Heart  
Intestine Large  
Kidney  
Liver

Medulla  
Myocardium Nos  
Colon

Bile Duct

Lung  
Lymph node  
Parathyroid gland  
Pituitary gland  
Testis

Mediastinal Lymph Node

Anterior Pituitary  
Tubule

Thymus  
Unspecified

Multiple Organs Nos

Pheochromocytoma  
Fibrosis  
Parasitism  
Nephropathy  
Degeneration, Cystic  
Hepatocellular Carcinoma  
Hyperplasia, Nos  
Necrosis, Coagulative  
Hyperplasia, Lymphoid  
Lymphangiectasis  
Hyperplasia, Nos  
Adenoma, Nos  
Degeneration, Nos  
Interstitial-Cell Tumor  
Thymoma, Malignant  
Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_102

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

**OBSERVATIONS**

Eye	Crystalline Lens	Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Hyperplasia, Lymphoid
		Nephropathy
Liver		Degeneration, Cystic
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mandibular Lymph Node	Lymphangiectasis
Parathyroid gland		Hyperplasia, Nos
Preputial gland		Carcinoma, Nos
Prostate		Inflammation, Chronic Focal
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Perianal Region	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_103

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Degeneration, Cystic
		Focal Cellular Change
		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Lymphangiectasis
	Mesenteric Lymph Node	Pigmentation, Nos
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hypertrophy, Focal
Stomach	Submucosa	Hemorrhage
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_104

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Hyperplasia, Lymphoid Nephropathy
Liver		Degeneration, Cystic Fibrosis, Cholangio Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Lymphangiectasis
Prostate		Inflammation, Suppurative
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_105

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Bile Duct	Focal Cellular Change
		Hyperplasia, Nos
		Neoplastic Nodule
Lung		Alveolar/Bronchiolar Adenoma
Lymph node	Mandibular Lymph Node	Lymphangiectasis
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hypertrophy, Focal
Preputial gland		Carcinoma, Nos
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
Thyroid		C-Cell Adenoma
Unspecified	Tail	Fibroma
	Multiple Organs Nos	Hyperplasia, Lymphoid
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 2\_106

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Heart	Right Atrium Nos	Thrombus, Fibrin
Kidney	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Prostate		Inflammation, Suppurative
Seminal vesicle		Abscess, Nos
Stomach	Submucosa	Edema, Nos
	Submucosa	Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_107

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
		Myxomatosis, Cardiac Valve
Liver		Degeneration, Cystic
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mandibular Lymph Node	Lymphangiectasis
Pancreas	Islets	Islet-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Preputial gland		Carcinoma, Nos
Stomach	Forestomach	Ulcer, Nos
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_108

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Fibrosis

Kidney

Myxomatosis, Cardiac Valve

Liver

Nephropathy

Hepatitis, Toxic

Pancreas

Bile Duct

Hyperplasia, Nos

Preputial gland

Islets

Islet-Cell Adenoma

Stomach

Squamous Cell Papilloma

Testis

Glandular Stomach

Necrosis, Focal

Unspecified

Tubule

Degeneration, Nos

Multiple Organs Nos

Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_109

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Degeneration, Cystic
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Lymphangiectasis
	Mesenteric Lymph Node	Lymphangiectasis
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 2\_110

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis Myxomatosis, Cardiac Valve
Liver		Fibrosis, Cholangio
Testis	Tubule	Degeneration, Nos 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:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 2\_111

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Intestine Large  
Kidney

Cecum, Colon  
Tubule

Amyloid, Nos  
Cast, Nos  
Infarct, Acute

Liver

Fibrosis, Cholangio  
Hepatitis, Toxic

Pituitary gland  
Preputial gland  
Prostate

Angiectasis  
Dilatation, Ducts  
Inflammation, Suppurative

Spleen  
Stomach

Infarct, Acute  
Inflammation, Suppurative

Forestomach  
Forestomach

Ulcer, Nos

Testis  
Unspecified

Interstitial-Cell Tumor  
Leukemia, Mononuclear Cell

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Multiple Organs Nos

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_112

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Epididymis		Necrosis, Fat
Heart	Myocardium Nos	Fibrosis
	Atrium	Thrombus, Fibrin
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Degeneration, Cystic
		Focal Cellular Change
		Hemorrhage
	Bile Duct	Hyperplasia, Nos
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Plasma Cell
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Submucosa	Edema, Nos
	Forestomach	Inflammation, Suppurative
	Forestomach	Ulcer, Chronic
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_113

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Eye	Crystalline Lens	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Degeneration, Cystic
		Fibrosis, Cholangio
		Focal Cellular Change
		Inflammation, Suppurative
		Metamorphosis, Fatty
Lymph node	Mandibular Lymph Node	Lymphangiectasis
	Mesenteric Lymph Node	Pigmentation, Nos
Mammary gland		Galactocele
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Acute/Chronic
Stomach	Forestomach	Acanthosis
	Glandular Stomach	Ulcer, Chronic
	Forestomach	Ulcer, Perforated
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
Thyroid		C-Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_114

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Fibrosis, Focal
Heart	Myocardium Nos	Fibrosis
Kidney		Cyst, Nos
		Hyperplasia, Lymphoid
		Nephropathy
Liver	Bile Duct	Cyst, Nos
		Degeneration, Cystic
		Fibrosis, Cholangio
		Focal Cellular Change
		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Adenoma
		Hyperplasia, Lymphoid
Lymph node	Renal Lymph Node	Hyperplasia, Lymphoid
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Pigmentation, Nos
	Renal Lymph Node	Pigmentation, Nos
Mammary gland		Galactocele
Pancreas	Islets	Islet-Cell Carcinoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Edema, Nos
		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_115

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Hyperplasia, Lymphoid Nephropathy
Liver		Degeneration, Cystic Fibrosis, Cholangio Focal Cellular Change
	Bile Duct	Hyperplasia, Nos Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Hyperplasia, Plasma Cell
Mammary gland		Fibrosis, Focal Galactocele
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Fibrosis, Focal Hematopoiesis
Stomach	Glandular Stomach	Necrosis, Nos
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_116

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Fibrosis
		Myxomatosis, Cardiac Valve
Kidney		Hyperplasia, Lymphoid
		Nephropathy
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Lymphoid
		Inflammation, Chronic Focal
Lymph node	Mandibular Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas	Islets	Islet-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Skin		Keratoacanthoma
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_117

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis Myxomatosis, Cardiac Valve
Kidney	Tubule	Nephropathy Pigmentation, Nos
Liver		Degeneration, Cystic Fibrosis, Cholangio Hyperplasia, Focal
Lung	Bile Duct	Hyperplasia, Nos Hemorrhage Hyperplasia, Lymphoid Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
Pancreas	Mediastinal Lymph Node	Lymphangiectasis
Parathyroid gland	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Hyperplasia, Nos Adenoma, Nos
Thyroid		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_118

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Epididymis		Granuloma, Spermatic
Eye	Crystalline Lens	Cataract
Heart	Myocardium Nos	Fibrosis
		Myxomatosis, Cardiac Valve
Kidney		Transitional-Cell Carcinoma
Liver		Fibrosis, Cholangio
Lung		Inflammation, Chronic Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Angiectasis
Prostate		Inflammation, Acute/Chronic
Spleen		Atrophy, Nos
Stomach	Forestomach	Acanthosis
	Forestomach	Ulcer, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 2\_119

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Fibrosis
Kidney	Tubule	Cast, Nos
		Nephrosis, Nos
	Tubule	Regeneration, Nos
Liver		Hepatitis, Toxic
Stomach	Glandular Stomach	Ulcer, Nos
Testis		Aspermatogenesis
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_120

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis Myxomatosis, Cardiac Valve
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Degeneration, Cystic Focal Cellular Change Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos Neoplastic Nodule
Lymph node	Mandibular Lymph Node	Lymphangiectasis
Pancreas	Acinus	Atrophy, Nos
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_121

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Cystic
Brain	Meninges	Carcinoma, Nos, Invasive
Eye	Crystalline Lens	Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Fibrosis, Cholangio Hyperplasia, Nos Pigmentation, Nos
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Carcinoma, Nos
Prostate		Inflammation, Acute/Chronic
Spleen		Hemosiderosis
Stomach	Glandular Stomach	Necrosis, Focal
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_122

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain	Cerebellum Nos	Necrosis, Focal
	Cerebrum	Necrosis, Focal
Heart	Myocardium Nos	Fibrosis
	Atrium	Thrombus, Fibrin
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
Lung		Edema, Nos
		Hyperplasia, Lymphoid
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Pancreatic Lymph Node	Pigmentation, Nos
Skin	Back	Keratoacanthoma
Spleen		Infarct, Healed
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_123

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Fibrosis
		Myxomatosis, Cardiac Valve
Kidney		Hyperplasia, Lymphoid
		Nephropathy
Liver		Angiectasis
		Degeneration, Cystic
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Hemorrhage
		Hyperplasia, Lymphoid
		Inflammation, Chronic Focal
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mesenteric Lymph Node	Hyperplasia, Plasma Cell
	Mandibular Lymph Node	Lymphangiectasis
Pancreas	Acinus	Hyperplasia, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Carcinoma, Nos
		Inflammation, Granulomatous
Salivary gland		Fibrosarcoma
Skin	Axilla	Basal-Cell Carcinoma
Testis		Interstitial-Cell Tumor
Unspecified	Back	Fibroma
	Back	Inflammation, Acute/Chronic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 2\_124

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Intestine Small

Mesentery Nos

Necrosis, Fat

Liver

Hepatitis, Toxic

Pancreas

Islets

Islet-Cell Adenoma

Pituitary gland

Adenoma, Nos

Stomach

Glandular Stomach

Necrosis, Focal

Testis

Aspermatogenesis

Thyroid

Degeneration, Nos

Unspecified

Multiple Organs Nos

Follicular-Cell Adenoma

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_125

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Fibrosis
	Atrium	Thrombus, Organized
Kidney		Nephropathy
Liver		Degeneration, Cystic
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Alveolar Epithelium
		Inflammation, Chronic Focal
Oral mucosa	Palate	Squamous Cell Papilloma
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Intermedia	Cyst, Nos
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Urinary bladder		Hyperplasia, Epithelial

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_126

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Angiectasis
		Degeneration, Cystic
		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
		Necrosis, Coagulative
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mediastinal Lymph Node	Pigmentation, Nos
	Mesenteric Lymph Node	Pigmentation, Nos
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Acute/Chronic
Testis		Hyperplasia, Interstitial Cell
Unspecified	Multiple Organs Nos	Hemorrhage

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_127

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Crystalline Lens Retina	Cataract Degeneration, Nos
Heart	Crystalline Lens Myocardium Nos	Synechia, Anterior Fibrosis Myxomatosis, Cardiac Valve
Kidney		Hyperplasia, Lymphoid Nephropathy
Liver		Degeneration, Cystic Fibrosis, Cholangio Focal Cellular Change
Lung	Bile Duct	Hyperplasia, Nos Neoplastic Nodule Congestion, Nos
Lymph node	Mandibular Lymph Node Mandibular Lymph Node	Hyperplasia, Lymphoid Hyperplasia, Plasma Cell Lymphangiectasis
Pancreas		Acinar-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Carcinoma, Nos
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 2\_128

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Liver

Degeneration, Cystic

Focal Cellular Change

Bile Duct

Hyperplasia, Nos

Neoplastic Nodule

Pancreas

Acinus

Atrophy, Nos

Acinus

Hyperplasia, Focal

Parathyroid gland

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Unspecified

Multiple Organs Nos

Hyperplasia, Lymphoid

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_129

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

**OBSERVATIONS**

Epididymis		Edema, Interstitial
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Degeneration, Cystic
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Necrosis, Coagulative
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mandibular Lymph Node	Lymphangiectasis
	Mesenteric Lymph Node	Pigmentation, Nos
Pancreas	Acinus	Atrophy, Focal
Preputial gland		Carcinoma, Nos
Seminal vesicle		Inflammation, Acute/Chronic
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified		Fibroma
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_130

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Epididymis		Edema, Interstitial
Heart	Myocardium Nos	Fibrosis
Kidney		Hyperplasia, Lymphoid Nephropathy
Liver		Degeneration, Cystic Focal Cellular Change
	Bile Duct	Hyperplasia, Nos Necrosis, Coagulative Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hypertrophy, Focal
Testis		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_131

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Degeneration, Cystic
		Fibrosis, Cholangio
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Lymph node	Mediastinal Lymph Node	Lymphangiectasis
	Mandibular Lymph Node	Pigmentation, Nos
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas	Acinus	Atrophy, Nos
	Acinus	Hyperplasia, Focal
Parathyroid gland		Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Tongue		Squamous Cell Papilloma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_132

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis Myxomatosis, Cardiac Valve
Kidney		Hyperplasia, Lymphoid Nephropathy
Liver	Bile Duct	Focal Cellular Change Hyperplasia, Nos Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mandibular Lymph Node	Lymphangiectasis
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Angiectasis
Preputial gland		Carcinoma, Nos
Testis	Tubule	Degeneration, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

---

**ANIMAL ID:** 2\_133

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
		Inflammation, Nos
Lung		Hyperplasia, Lymphoid
Preputial gland		Carcinoma, Nos
Seminal vesicle		Inflammation, Nos
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_134

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Bone marrow		Fibrosis, Myelo
Heart	Myocardium Nos	Fibrosis
		Myxomatosis, Cardiac Valve
	Atrium	Thrombus, Organized
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Degeneration, Cystic
		Fibrosis, Cholangio
		Hepatitis, Toxic
		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Adenoma, Nos
Prostate		Inflammation, Suppurative
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Groin	Fibrous Histiocytoma, Malignant
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_135

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain		Granular-Cell Tumor, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Hyperplasia, Lymphoid Nephropathy
Liver		Degeneration, Cystic Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Lymphangiectasis
Pancreas	Acinus	Hyperplasia, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Skin		Basal-Cell Carcinoma
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_136

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Fibrosis
Kidney		Hyperplasia, Lymphoid
		Nephropathy
Liver		Degeneration, Cystic
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Adenoma
		Hyperplasia, Lymphoid
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mesenteric Lymph Node	Lymphangiectasis
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Skin		Keratoacanthoma
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Axilla	Fibroma
	Back	Fibroma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

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**ANIMAL ID:** 2\_137

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Brain		Hemorrhage
Heart		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
Mammary gland		Galactocele
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Suppurative
Spleen		Hemosiderosis
Unspecified	Multiple Organs Nos	Congestion, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_138

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Fibrosis
		Myxomatosis, Cardiac Valve
Kidney		Hyperplasia, Lymphoid
		Nephropathy
Liver		Degeneration, Cystic
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
		Inflammation, Chronic
Lymph node	Pancreatic Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Pancreatic Lymph Node	Pigmentation, Nos
Pancreas	Acinus	Atrophy, Nos
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:54

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

**Lab:** NA

**ANIMAL ID:** 2\_139

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Hyperplasia, Lymphoid Nephropathy
Liver		Degeneration, Cystic Focal Cellular Change
Lung	Bile Duct	Hyperplasia, Nos Hyperplasia, Lymphoid Neurofibrosarcoma, Metastatic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Neurofibrosarcoma, Invasive
Salivary gland		Neurofibrosarcoma
Testis		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_140

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos Atrium	Fibrosis Thrombus, Fibrin
Kidney		Nephropathy
Lung		Hyperplasia, Lymphoid
Lymph node	Mediastinal Lymph Node	Hemorrhage
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Fibrous Histiocytoma, Malignant

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 2\_141

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Hyperplasia, Lymphoid Nephropathy
Liver		Degeneration, Cystic Focal Cellular Change Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos Neoplastic Nodule
Lung		Alveolar/Bronchiolar Carcinoma Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node Pancreatic Lymph Node	Hyperplasia, Lymphoid Pigmentation, Nos
Mammary gland		Inflammation, Suppurative
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 2\_142

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Fibrosis

Kidney

Hyperplasia, Lymphoid

Nephropathy

Liver

Degeneration, Cystic

Fibrosis, Cholangio

Focal Cellular Change

Hepatocellular Carcinoma

Bile Duct

Hyperplasia, Nos

Neoplastic Nodule

Lung

Hyperplasia, Lymphoid

Lymph node

Mandibular Lymph Node

Hyperplasia, Plasma Cell

Testis

Mandibular Lymph Node

Lymphangiectasis

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_143

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Heart  
Intestine Small  
Kidney  
Liver

Medulla  
Myocardium Nos  
Mesentery Nos

Pheochromocytoma  
Fibrosis  
Necrosis, Fat  
Nephropathy  
Degeneration, Cystic  
Fibrosis, Cholangio  
Hepatitis, Toxic  
Hyperplasia, Nos  
Atrophy, Nos  
Hyperplasia, Interstitial Cell  
Leukemia, Mononuclear Cell

Pancreas  
Testis  
Unspecified

Bile Duct  
Acinus  
Multiple Organs Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 2\_144

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Fibrosis

Kidney

Myxomatosis, Cardiac Valve

Hyperplasia, Lymphoid

Liver

Nephropathy

Degeneration, Cystic

Focal Cellular Change

Bile Duct

Hyperplasia, Nos

Lung

Hyperplasia, Lymphoid

Lymph node

Mesenteric Lymph Node

Hyperplasia, Lymphoid

Mandibular Lymph Node

Hyperplasia, Plasma Cell

Parathyroid gland

Hyperplasia, Focal

Preputial gland

Cystic Ducts

Stomach

Glandular Stomach

Necrosis, Focal

Thyroid

C-Cell Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 2\_145

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hypertrophy, Focal
Epididymis		Fibrosis, Diffuse
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Angiectasis
		Degeneration, Cystic
		Fibrosis, Cholangio
		Focal Cellular Change
		Hepatitis, Toxic
		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Hemorrhage
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_146

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Atrium	Fibrosis
	Myocardium Nos	Fibrosis
Kidney		Hyperplasia, Lymphoid
		Nephropathy
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Erythrophagocytosis
	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Pigmentation, Nos
Parathyroid gland		Hyperplasia, Nos
Skin	Hip	Keratoacanthoma
	Thorax	Keratoacanthoma
Stomach	Submucosa	Hemorrhage
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Groin	Cyst, Hemorrhagic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 2\_147

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Hyperplasia, Lymphoid Nephropathy
Liver		Degeneration, Cystic Focal Cellular Change
	Bile Duct	Hyperplasia, Nos Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
Pancreas		Acinar-Cell Adenoma
	Islets	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Acute/Chronic
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_148

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Inflammation, Granulomatous Focal
		Neoplastic Nodule
Lung	Mucosa	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lymph node	Pancreatic Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mandibular Lymph Node	Lymphangiectasis
	Pancreatic Lymph Node	Pigmentation, Nos
Pancreas		Acinar-Cell Adenoma
Spleen	Capsule	Fibrosis, Focal
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Abdominal Cavity	Steatitis

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 2\_149

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos Atrium	Fibrosis Thrombus, Organized
Kidney		Hyperplasia, Lymphoid Nephropathy
Liver	Bile Duct	Focal Cellular Change Hyperplasia, Nos Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
Pancreas	Acinus	Atrophy, Nos
Parathyroid gland		Adenoma, Nos Hyperplasia, Nos
Testis	Tubule Tubule	Aspermatogenesis Degeneration, Nos Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 2\_150

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Brain	Cerebrum	Hemorrhage
Esophagus		Hyperkeratosis
Heart		Inflammation, Chronic
Kidney	Tubule	Cast, Nos
Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
		Inflammation, Chronic
		Mesothelioma, Metastatic
Pancreas		Acinar-Cell Adenoma
Stomach	Mucosa	Acanthosis
Testis		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_001

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Fibrosis
Liver	Centrilobular	Metamorphosis, Fatty
Lung		Leukocytosis, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mesenteric Lymph Node	Necrosis, Nos
	Pancreatic Lymph Node	Necrosis, Nos
	Renal Lymph Node	Necrosis, Nos
	Mediastinal Lymph Node	Pigmentation, Nos
	Pancreatic Lymph Node	Pigmentation, Nos
	Renal Lymph Node	Pigmentation, Nos
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Suppurative
Spleen		Mesothelioma, Metastatic
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
	Scrotum Nos	Mesothelioma, Invasive
	Tunica Vaginalis	Mesothelioma, Malignant
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_002

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
	Medulla	Pheochromocytoma, Malignant
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Bile Duct	Fibrosis, Cholangio
		Hyperplasia, Nos
		Necrosis, Coagulative
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Lymphangiectasis
Pancreas	Islets	Islet-Cell Carcinoma
Prostate		Inflammation, Acute/Chronic
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_003

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Heart	Myocardium Nos	Fibrosis
		Myxomatosis, Cardiac Valve
Kidney		Nephropathy
Liver		Fibrosis, Cholangio
		Focal Cellular Change
	Periportal	Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas	Acinus	Atrophy, Nos
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Suppurative
Spleen		Hemangiosarcoma
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Chlorendic acid  
**CAS Number:** 115-28-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:40:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_004

**TRT#:** 3  
**DOSE:** 0

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

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma, Malignant
Heart	Myocardium Nos	Fibrosis
		Myxomatosis, Cardiac Valve
Kidney		Nephropathy
Liver		Degeneration, Cystic
		Fibrosis, Cholangio
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Lymphoid
Lymph node	Mesenteric Lymph Node	Pigmentation, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Prostate		Hyperplasia, Epithelial
		Inflammation, Suppurative
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_005

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
Lymph node	Renal Lymph Node	Pigmentation, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Acute/Chronic
Stomach	Forestomach	Acanthosis
	Submucosa	Edema, Nos
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_006

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Medulla	Metamorphosis, Fatty Pheochromocytoma Pheochromocytoma, Malignant
Bone marrow		Fibrosis, Myelo
Epididymis		Fibrosis
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Degeneration, Cystic Fibrosis, Cholangio Hepatitis, Toxic
Lymph node	Mandibular Lymph Node Mesenteric Lymph Node	Lymphangiectasis Pigmentation, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Acute/Chronic
Stomach	Submucosa Submucosa Forestomach	Edema, Nos Fibrosis Ulcer, Chronic
Testis	Tubule	Degeneration, Nos Hyperplasia, Interstitial Cell
Thyroid		C-Cell Carcinoma
Unspecified	Back Multiple Organs Nos	Fibroma Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_007

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Blood vessel	Sup.Panc-Duod.Artery	Inflammation, Chronic
Epididymis		Fibrosis
Heart	Myocardium Nos	Fibrosis
		Myxomatosis, Cardiac Valve
Kidney		Nephropathy
Liver		Focal Cellular Change
		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Lymphoid
Lymph node	Mesenteric Lymph Node	Pigmentation, Nos
	Pancreatic Lymph Node	Pigmentation, Nos
Pancreas	Acinus	Atrophy, Nos
Parathyroid gland		Hyperplasia, Nos
Prostate		Cyst, Nos
		Inflammation, Acute/Chronic
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Flank	Fibroma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

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**ANIMAL ID:** 3\_008

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Galactocele
Pituitary gland		Adenoma, Nos
Stomach	Glandular Stomach	Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Axilla	Fibroma
	Multiple Organs Nos	Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_009

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland  
Epididymis

Medulla

Pheochromocytoma  
Fibrosis, Diffuse  
Necrosis, Fat  
Steatitis

Heart  
Kidney  
Liver

Myocardium Nos

Fibrosis  
Nephropathy  
Degeneration, Cystic  
Focal Cellular Change

Lung  
Lymph node

Bile Duct

Hyperplasia, Nos  
Hyperplasia, Lymphoid

Mediastinal Lymph Node  
Mandibular Lymph Node  
Mandibular Lymph Node  
Mediastinal Lymph Node  
Mesenteric Lymph Node

Erythrophagocytosis  
Hyperplasia, Lymphoid  
Lymphangiectasis  
Pigmentation, Nos  
Pigmentation, Nos

Mammary gland  
Pancreas  
Parathyroid gland  
Pituitary gland  
Prostate  
Testis

Acinus

Fibroadenoma  
Atrophy, Nos  
Hyperplasia, Nos  
Adenoma, Nos  
Inflammation, Acute/Chronic

Anterior Pituitary

Tubule  
Tubule

Aspermatogenesis  
Degeneration, Nos  
Interstitial-Cell Tumor  
C-Cell Adenoma

Thyroid

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_010

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Degeneration, Cystic
		Fibrosis, Cholangio
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Lymphoid
Lymph node	Mesenteric Lymph Node	Pigmentation, Nos
	Pancreatic Lymph Node	Pigmentation, Nos
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

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**ANIMAL ID:** 3\_011

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Cast, Nos
		Inflammation, Chronic
Lung		Paranglioma, Metastatic
Lymph node	Mesenteric Lymph Node	Necrosis, Nos
Thymus	Lymphocytes	Necrosis, Nos
Unspecified	Abdominal Cavity	Paranglioma, Malignant

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_012

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Cortical Adenoma
Heart	Cortex Nos Myocardium Nos	Hypertrophy, Focal Fibrosis Myxomatosis, Cardiac Valve
Kidney		Nephropathy
Liver	Tubule	Pigmentation, Nos
Lung	Bile Duct	Focal Cellular Change
Lymph node		Hyperplasia, Nos
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mesenteric Lymph Node	Lymphangiectasis
	Mesenteric Lymph Node	Lymphangiectasis
Pancreas	Islets	Pigmentation, Nos
Parathyroid gland		Islet-Cell Carcinoma
Pituitary gland	Anterior Pituitary	Hyperplasia, Nos
Prostate		Adenoma, Nos
Testis	Tubule	Inflammation, Suppurative
	Tubule	Aspermatogenesis
		Degeneration, Nos
Thyroid		Interstitial-Cell Tumor
		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_013

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Atrium	Thrombus, Organized
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Necrosis, Coagulative
Lung		Hyperplasia, Lymphoid
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mediastinal Lymph Node	Hyperplasia, Plasma Cell
	Mesenteric Lymph Node	Pigmentation, Nos
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Suppurative
Spleen		Congestion, Nos
Testis		Aspermatogenesis
	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

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**ANIMAL ID:** 3\_014

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Brain		Hemorrhage
Eye		Cataract
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Fibrosis, Cholangio
		Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar Macrophages
Skin		Keratoacanthoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_015

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Fibrosis

Kidney

Myxomatosis, Cardiac Valve

Liver

Nephropathy

Degeneration, Cystic

Bile Duct

Hyperplasia, Nos

Hepatic Sinusoid

Leukocytosis, Nos

Lung

Hyperplasia, Lymphoid

Inflammation, Suppurative

Lymph node

Mediastinal Lymph Node

Pigmentation, Nos

Mesenteric Lymph Node

Pigmentation, Nos

Pancreas

Acinus

Atrophy, Nos

Parathyroid gland

Hyperplasia, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Neurofibrosarcoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_016

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Brain		Gliosis
Heart	Myocardium Nos	Fibrosis
Kidney		Cyst, Nos
		Nephrosis, Nos
Liver	Periportal	Inflammation, Chronic
Lung		Hyperplasia, Alveolar Epithelium
		Hyperplasia, Lymphoid
		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mandibular Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Pigmentation, Nos
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Angiectasis
Seminal vesicle		Hyperplasia, Epithelial
		Inflammation, Acute/Chronic
Testis		Aspermatogenesis
	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_017

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Epididymis		Fibrosis, Diffuse
Eye	Crystalline Lens	Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
		Necrosis, Coagulative
Lung		Hyperplasia, Lymphoid
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Carcinoma, Nos
Prostate		Inflammation, Acute/Chronic
Skin		Inflammation, Suppurative
		Necrosis, Focal
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_018

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Mineralization
	Medulla	Thrombus, Organized
Bone marrow		Atrophy, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
		Thrombus, Organized
Lung		Hyperplasia, Lymphoid
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Necrosis, Nos
	Mediastinal Lymph Node	Pigmentation, Nos
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_019

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Medulla	Metamorphosis, Fatty Pheochromocytoma
Brain		Hemorrhage
Kidney	Tubule	Degeneration, Hyaline Nephropathy
Liver	Tubule	Pigmentation, Nos Angiectasis
Prostate	Bile Duct	Hyperplasia, Nos
Stomach	Forestomach	Inflammation, Suppurative Acanthosis
Testis	Forestomach Tubule	Ulcer, Acute Degeneration, Nos
Unspecified	Multiple Organs Nos	Interstitial-Cell Tumor Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_020

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Fibrosis

Atrium

Thrombus, Canalized

Kidney

Nephropathy

Liver

Degeneration, Cystic

Hepatitis, Toxic

Lung

Hyperplasia, Lymphoid

Thrombus, Organized

Lymph node

Mesenteric Lymph Node

Pigmentation, Nos

Parathyroid gland

Hyperplasia, Nos

Prostate

Inflammation, Acute/Chronic

Stomach

Glandular Stomach

Ulcer, Chronic

Testis

Tubule

Aspermatogenesis

Tubule

Degeneration, Nos

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

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**ANIMAL ID:** 3\_021

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Myxomatosis, Cardiac Valve
Kidney		Cast, Nos
		Pigmentation, Nos
Lymph node	Mandibular Lymph Node	Lymphangiectasis
Pituitary gland		Cyst, Nos
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_022

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Pheochromocytoma
Blood vessel	Mesenteric Artery Nos Sup.Panc-Duod.Artery	Inflammation, Chronic Inflammation, Chronic
Heart	Myocardium Nos	Fibrosis
Kidney		Cyst, Nos Nephropathy
Liver		Angiectasis Focal Cellular Change Hernia, Nos
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
Parathyroid gland		Hyperplasia, Nos
Skin	Nose	Basal-Cell Carcinoma
Testis	Tubule	Degeneration, Nos Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

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**ANIMAL ID:** 3\_023

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Fibrosis
Kidney	Tubule	Cast, Nos
Liver		Fibrosis, Cholangio
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Suppurative
Stomach	Glandular Stomach	Necrosis, Focal
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_024

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Atrium	Thrombus, Fibrin
Kidney		Nephropathy
Liver		Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Lymphoid
Lymph node	Pancreatic Lymph Node	Hemorrhage
Prostate		Inflammation, Suppurative
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_025

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Kidney	Tubule	Cast, Nos Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Hemorrhage
	Mandibular Lymph Node	Inflammation, Suppurative
	Mandibular Lymph Node	Necrosis, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_026

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Fibrosis
Kidney		Hyperplasia, Lymphoid
		Nephropathy
Liver		Degeneration, Cystic
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Inflammation, Granulomatous Focal
Lung		C-Cell Carcinoma, Metastatic
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Carcinoma, Nos
Prostate		Inflammation, Suppurative
Stomach	Forestomach	Acanthosis
	Forestomach	Inflammation, Acute/Chronic
	Forestomach	Ulcer, Chronic
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_027

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Eye

Crystalline Lens

Cataract

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Liver

Degeneration, Cystic

Hepatitis, Toxic

Bile Duct

Hyperplasia, Nos

Parathyroid gland

Hyperplasia, Nos

Testis

Tubule

Aspermatogenesis

Tubule

Degeneration, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Zymbal gland

Leukemia, Mononuclear Cell

Carcinoma, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_028

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Kidney		Hyperplasia, Lymphoid Nephropathy
Liver	Bile Duct	Hyperplasia, Nos Necrosis, Focal
Lung		Hyperplasia, Lymphoid Inflammation, Granulomatous Focal
Lymph node	Mesenteric Lymph Node	Pigmentation, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Suppurative
Spleen		Congestion, Nos
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_029

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Degeneration, Cystic
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mediastinal Lymph Node	Pigmentation, Nos
	Mesenteric Lymph Node	Pigmentation, Nos
Pancreas		Inflammation, Chronic Focal
	Islets	Islet-Cell Carcinoma
Pituitary gland		Cyst, Nos
Prostate		Inflammation, Suppurative
Skin	Back	Keratoacanthoma
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_030

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Hepatitis, Toxic
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Acute/Chronic
Skin	Scrotum	Keratoacanthoma
Stomach	Glandular Stomach	Ulcer, Acute
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_031

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

**OBSERVATIONS**

Epididymis		Fibrosis, Diffuse
Heart	Myocardium Nos	Fibrosis
	Atrium	Thrombus, Fibrin
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Fibrosis, Cholangio
		Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
Lymph node	Brachial Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Pigmentation, Nos
	Renal Lymph Node	Pigmentation, Nos
Prostate		Inflammation, Suppurative
Stomach	Glandular Stomach	Necrosis, Focal
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_032

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Epididymis		Edema, Interstitial
		Necrosis, Fat
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Lymphangiectasis
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Acute/Chronic
Skin	Thigh	Keratoacanthoma
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thymus		Thymoma, Benign
Thyroid		Hyperplasia, C Cell
Unspecified	Adipose Tissue	Fibrosis

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_033

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Pheochromocytoma
Epididymis		Edema, Interstitial
Eye	Crystalline Lens Retina	Cataract Degeneration, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Tubule	Pigmentation, Nos Degeneration, Cystic Hyperplasia, Nos
Lung		Hyperplasia, Lymphoid
Testis	Tubule	Degeneration, Nos Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

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**ANIMAL ID:** 3\_034

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Medulla  
Myocardium Nos

Pheochromocytoma  
Fibrosis  
Cyst, Nos  
Nephropathy  
Hepatocellular Carcinoma  
Adenoma, Nos  
Inflammation, Acute/Chronic  
Necrosis, Focal  
Aspermatogenesis  
Degeneration, Nos  
Leukemia, Mononuclear Cell

Liver  
Pituitary gland  
Prostate  
Stomach  
Testis

Anterior Pituitary

Glandular Stomach  
Tubule  
Tubule  
Multiple Organs Nos

Unspecified

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_035

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Kidney		Hyperplasia, Lymphoid Nephropathy
Liver		Focal Cellular Change
Lung		Hyperplasia, Lymphoid
Lymph node	Mesenteric Lymph Node	Pigmentation, Nos
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
Prostate		Inflammation, Acute/Chronic
Salivary gland		Fibrosarcoma
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_036

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Fibrosis

Kidney

Congestion, Nos

Nephropathy

Liver

Angiectasis

Fibrosis, Cholangio

Focal Cellular Change

Bile Duct

Hyperplasia, Nos

Lung

Hyperplasia, Lymphoid

Lymph node

Mesenteric Lymph Node

Pigmentation, Nos

Prostate

Inflammation, Acute/Chronic

Skeletal muscle

Fibrous Histiocytoma, Malignant

Testis

Tubule

Aspermatogenesis

Tubule

Degeneration, Nos

Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_037

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Epididymis		Granuloma, Spermatic
Heart	Myocardium Nos	Fibrosis
Kidney		Hyperplasia, Lymphoid
		Nephropathy
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Periportal	Inflammation, Chronic
Lung		Pneumonia, Aspiration
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mandibular Lymph Node	Lymphangiectasis
	Mesenteric Lymph Node	Pigmentation, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Suppurative
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Hyperplasia, C Cell
Unspecified		Fibroma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

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**ANIMAL ID:** 3\_038

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Necrosis, Nos

Heart

Myocardium Nos

Fibrosis

Kidney

Inflammation, Chronic

Lung

Hyperplasia, Lymphoid

Parathyroid gland

Hyperplasia, Nos

Seminal vesicle

Hyperplasia, Focal

Spleen

Follicles

Necrosis, Nos

Stomach

Glandular Stomach

Necrosis, Focal

Testis

Interstitial-Cell Tumor

Unspecified

Tunica Vaginalis

Mesothelioma, Nos

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_039

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Hyperplasia, Lymphoid Nephropathy
Liver	Bile Duct	Hyperplasia, Nos Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
Pancreas	Acinus	Atrophy, Nos
Spleen		Hyperplasia, Reticulum Cell
Testis	Tubule	Degeneration, Nos Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

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**ANIMAL ID:** 3\_040

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone	Mandible	Ameloblastic Odontoma
Heart		Fibrosis
Kidney	Tubule	Cast, Nos
		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

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**ANIMAL ID:** 3\_041

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Kidney

Tubule

Liver

Lung

Pituitary gland

Testis

Unspecified

Bile Duct

Multiple Organs Nos

Congestion, Nos

Cast, Nos

Inflammation, Chronic

Hyperplasia, Nos

Hyperplasia, Lymphoid

Hyperplasia, Focal

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_042

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Prostate

Cyst, Nos

Unspecified

Multiple Organs Nos

Inflammation, Suppurative

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_043

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Tubule

Cast, Nos

Liver

Bile Duct

Hyperplasia, Nos

Lung

Hyperplasia, Lymphoid

Pituitary gland

Adenoma, Nos

Seminal vesicle

Inflammation, Suppurative

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_044

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Fibrosis
		Myxomatosis, Cardiac Valve
Kidney		Hyperplasia, Lymphoid
		Nephropathy
Liver		Angiectasis
		Degeneration, Cystic
		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mandibular Lymph Node	Lymphangiectasis
Pancreas	Islets	Islet-Cell Carcinoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Acute/Chronic
Skin		Squamous Cell Papilloma
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_045

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Heart	Atrium	Thrombus, Fibrin
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Atrophy, Nos
	Bile Duct	Fibrosis, Cholangio
		Hyperplasia, Nos
		Metamorphosis, Fatty
		Pigmentation, Nos
Lymph node	Mandibular Lymph Node	Abscess, Nos
	Mesenteric Lymph Node	Pigmentation, Nos
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Acute/Chronic
Spleen		Hematopoiesis
Stomach	Glandular Stomach	Ulcer, Acute
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_046

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Intestine Large	Cecum, Colon	Edema, Nos
	Cecum, Colon	Inflammation, Suppurative
Kidney		Cast, Nos
		Inflammation, Chronic
Liver	Tubule	Pigmentation, Nos
		Hepatitis, Toxic
		Hepatocellular Carcinoma
Lung		Inflammation, Chronic
Pituitary gland		Hypertrophy, Focal
Testis		Hyperplasia, Interstitial Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

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**ANIMAL ID:** 3\_047

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Kidney

Congestion, Nos

Liver

Hepatitis, Toxic

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

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**ANIMAL ID:** 3\_048

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone	Vertebra	Hemangiosarcoma
Heart	Myocardium Nos	Inflammation, Chronic
Liver		Inflammation, Chronic Focal
Lung		Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55072

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Chlorendic acid

**CAS Number:** 115-28-6

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

**Time Report Requested:** 10:40:55

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

**Lab:** NA

**ANIMAL ID:** 3\_049

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Epididymis		Necrosis, Fat
Heart	Myocardium Nos	Fibrosis
Kidney		Hyperplasia, Lymphoid
		Nephropathy
Liver		Fibrosis, Cholangio
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Suppurative
Testis	Tubule	Aspermatogenesis
	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Adipose Tissue	Fibrosis

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55072

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chlorendic acid

CAS Number: 115-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 10:40:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_050

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Cortical Adenoma
Heart		Myxomatosis, Cardiac Valve
Kidney		Hyperplasia, Lymphoid
		Nephropathy
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Periportal	Inflammation, Chronic
Lung		Hyperplasia, Lymphoid
Lymph node		Hyperplasia, Plasma Cell
	Mandibular Lymph Node	Inflammation, Suppurative
	Mandibular Lymph Node	Lymphangiectasis
	Mandibular Lymph Node	Hyperplasia, Nos
Parathyroid gland		Cyst, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
	Anterior Pituitary	Inflammation, Acute/Chronic
Prostate		Inflammation, Suppurative
Skin	Eyelid Nos	Aspermatogenesis
Testis	Tubule	Degeneration, Nos
	Tubule	Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

\*\* END OF REPORT \*\*

\* PROTOCOL REQUIRED TISSUE