

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

**C Number:** C56075

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Female

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_001

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Clitoral gland

Cyst, Nos

Lung

Sarcoma, Nos, Metastatic

Mammary gland

Lactation

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Unspecified

Sarcoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone		Osteosarcoma
Bone marrow		Hypoplasia, Nos
Ovary		Cyst, Corpus Luteum
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Metaplasia, Myeloid
Thyroid		C-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Clitoral gland  
Mammary gland  
Pituitary gland  
Spleen  
Thyroid  
Unspecified

Anterior Pituitary

Adipose Tissue

Cyst, Nos  
Lactation  
Adenoma, Nos  
Metaplasia, Myeloid  
Hyperplasia, C Cell  
Necrosis, Fat  
Sarcoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Cyst, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Mammary gland

Pituitary gland

Spleen

Anterior Pituitary

Anterior Pituitary

Fibroadenoma

Adenoma, Nos

Cyst, Nos

Metaplasia, Myeloid

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nos

Eye

Cataract

Retina

Degeneration, Nos

Heart

Fibrosis, Focal

Kidney

Calcification, Nos

Nephropathy

Liver

Clear-Cell Change

Cytoplasmic Change, Basophilic

Lung

Hyperplasia, Adenomatous

Lymph node

Granuloma, Nos

Mammary gland

Fibroadenoma

Lactation

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Unspecified

Adipose Tissue

Necrosis, Fat

Uterus

Cervix Uteri

Fibrosis

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Clitoral gland

Atrophy, Nos

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Hemorrhage

Spleen

Fibrosis, Focal

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Kidney

Nephropathy

Liver

Inflammation, Chronic Focal

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Bone  
Liver

Cortex Nos

Hyperplasia, Nos  
Osteosclerosis  
Metamorphosis, Fatty  
Metaplasia, Myeloid  
Alveolar/Bronchiolar Carcinoma

Lung  
Mammary gland

Anterior Pituitary

Fibroadenoma

Pituitary gland  
Spleen

Adenoma, Nos

Unspecified

Multiple Organs Nos

Metaplasia, Myeloid

Uterus

Leukemia, Mononuclear Cell

Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Liver		Hyperplastic Nodule
		Metamorphosis, Fatty
Lung		Atelectasis
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Angiectasis
	Anterior Pituitary	Hyperplasia, Nos
Spleen		Hemosiderosis
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Mammary gland

Pituitary gland

Anterior Pituitary

Cyst, Nos

Lactation

Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hemorrhage

Clitoral gland

Atrophy, Nos

Liver

Necrosis, Nos

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Cyst, Nos

Anterior Pituitary

Hyperplasia, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone		Osteosclerosis
Clitoral gland		Adenoma, Nos
Kidney		Nephropathy
Lung		Alveolar/Bronchiolar Adenoma
Mammary gland		Fibroadenoma
		Lactation
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Metaplasia, Myeloid
Thyroid		Follicular-Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye

Cataract

Kidney

Hemorrhage

Liver

Glomerulosclerosis, Nos

Pituitary gland

Granuloma, Nos

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Cyst, Nos

Thyroid

Hyperplasia, C Cell

Uterus

Endometrial Stromal Polyp

Vagina

Cyst, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone		Osteosclerosis
Clitoral gland		Cyst, Nos
Heart		Fibrosis, Focal
Intestine Large	Rectum	Parasitism
Kidney		Calcification, Nos
		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
		Peliosis Hepatis
Mammary gland		Adenocarcinoma, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Nos
Spleen		Metaplasia, Myeloid
Thyroid		Hyperplasia, C Cell
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_016

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart

Fibrosis, Focal

Liver

Granuloma, Nos

Mammary gland

Fibroadenoma

Lactation

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Thyroid

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Fibrosis, Focal
Kidney		Nephropathy
Liver		Granuloma, Nos
		Metamorphosis, Fatty
Lymph node		Hemosiderosis
Mammary gland		Lactation
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Unspecified		Neurilemoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Clitoral gland

Liver

Mammary gland

Pituitary gland

Anterior Pituitary

Cyst, Nos

Granuloma, Nos

Hyperplastic Nodule

Fibroadenoma

Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Clitoral gland  
Mammary gland  
Pituitary gland  
Unspecified

Anterior Pituitary  
Adipose Tissue

Cyst, Nos  
Fibroadenoma  
Adenoma, Nos  
Necrosis, Fat

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain		Degeneration, Myelin
Heart		Fibrosis, Focal
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Hyperplastic Nodule
Ovary		Cyst, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Nos

Mammary gland

Lactation

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Thyroid

C-Cell Adenoma

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Clitoral gland

Atrophy, Nos

Lung

Cyst, Nos

Lymph node

Hyperplasia, Adenomatous

Mammary gland

Granuloma, Nos

Parathyroid gland

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Atrophy, Nos

Liver

Granuloma, Nos

Lung

Congestion, Nos

Mammary gland

Lactation

Pituitary gland

Anterior Pituitary

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Clitoral gland

Kidney

Liver

Oral mucosa

Pituitary gland

Palate Nos

Anterior Pituitary

Cyst, Nos

Nephropathy

Granuloma, Nos

Metamorphosis, Fatty

Squamous Cell Papilloma

Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Granuloma, Nos

Bile Duct

Hyperplasia, Nos

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Adenoma, Nos

Liver

Granuloma, Nos

Pituitary gland

Anterior Pituitary

Angiectasis

Anterior Pituitary

Hyperplasia, Nos

Uterus

Endometrium

Endometrial Stromal Polyp

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Liver

Lung

Pituitary gland

Anterior Pituitary

Anterior Pituitary

Cyst, Nos

Congenital Malformation, Nos

Granuloma, Nos

Alveolar/Bronchiolar Adenoma

Angiectasis

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland  
Intestine Large  
Liver

Rectum

Mammary gland

Ovary  
Pituitary gland  
Thyroid

Anterior Pituitary

Cyst, Nos  
Parasitism  
Granuloma, Nos  
Peliosis Hepatis  
Fibroadenoma  
Lactation  
Cyst, Nos  
Adenoma, Nos  
C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Liver

Lymph node

Mammary gland

Pituitary gland

Anterior Pituitary

Cyst, Nos

Metamorphosis, Fatty

Necrosis, Nos

Histiocytosis

Lactation

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Carcinoma, Nos

Liver

Hyperplasia, Nos

Nasal cavity

Granuloma, Nos

Pituitary gland

Inflammation, Chronic

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Cyst, Nos

Spleen

Hemosiderosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Abscess, Nos

Atrophy, Nos

Cyst, Nos

Liver

Granuloma, Nos

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Abscess, Nos

Mammary gland

Inflammation, Chronic

Fibroadenoma

Pituitary gland

Anterior Pituitary

Lactation

Skin

Adenoma, Nos

Squamous Cell Carcinoma

Spleen

Hemosiderosis

Thyroid

C-Cell Adenoma

Uterus

Cyst, Nos

Endometrium

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Adenoma, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Adipose Tissue	Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_034

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland  
Intestine Large  
Liver  
Mammary gland

Rectum

Pituitary gland  
Unspecified

Anterior Pituitary

Adipose Tissue

Cyst, Nos  
Parasitism  
Congenital Malformation, Nos  
Fibroadenoma  
Hyperplasia, Nos  
Adenoma, Nos  
Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland  
Liver

Cyst, Nos  
Clear-Cell Change  
Cytoplasmic Change, Basophilic  
Granuloma, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Keratoacanthoma  
Hemosiderosis  
Hyperplasia, C Cell

Mammary gland  
Pituitary gland  
Skin  
Spleen  
Thyroid

Anterior Pituitary

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Kidney

Liver

Cyst, Nos

Glomerulosclerosis, Nos

Granuloma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Kidney

Pancreas

Pituitary gland

Acinus

Anterior Pituitary

Cyst, Nos

Nephropathy

Atrophy, Nos

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Liver

Pituitary gland

Spleen

Uterus

Anterior Pituitary

Anterior Pituitary

Cyst, Nos

Granuloma, Nos

Cyst, Nos

Hyperplasia, Nos

Granuloma, Nos

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Cyst, Nos

Mammary gland

Metaplasia, Squamous

Pituitary gland

Fibroadenoma

Skin

Anterior Pituitary

Adenoma, Nos

Vulva Nos

Cyst, Colloid

Unspecified

Multiple Organs Nos

Cyst, Epidermal Inclusion

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Kidney

Mammary gland

Pancreas

Pituitary gland

Thyroid

Islets

Anterior Pituitary

Anterior Pituitary

Cyst, Nos

Nephropathy

Lactation

Islet-Cell Adenoma

Cyst, Nos

Hyperplasia, Nos

C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_041

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Adenoma, Nos

Mammary gland

Lactation

Pituitary gland

Anterior Pituitary

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Clitoral gland

Cortex Nos

Hyperplasia, Nos  
Abscess, Nos  
Cyst, Nos

Liver  
Pituitary gland  
Thyroid  
Unspecified

Anterior Pituitary

Metamorphosis, Fatty  
Adenoma, Nos  
Hyperplasia, C Cell  
Leukemia, Mononuclear Cell

Multiple Organs Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Heart

Intestine Large

Liver

Mammary gland

Pituitary gland

Thyroid

Uterus

Rectum

Anterior Pituitary

Cyst, Nos

Fibrosis, Focal

Parasitism

Granuloma, Nos

Hyperplastic Nodule

Cyst, Nos

Fibroadenoma

Adenoma, Nos

Hyperplasia, C Cell

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis, Focal
Kidney		Cyst, Nos
Liver		Cytoplasmic Change, Basophilic
Lung		Atelectasis
Lymph node		Histiocytosis
Pituitary gland	Anterior Pituitary	Cyst, Nos
Spleen		Infarct, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Mammary gland

Fibrosis, Focal

Nephropathy

Cyst, Nos

Fibroadenoma

Lactation

Pituitary gland

Anterior Pituitary

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland  
Pituitary gland  
Unspecified  
Uterus

Anterior Pituitary  
Multiple Organs Nos

Cyst, Nos  
Adenoma, Nos  
Leukemia, Mononuclear Cell  
Abscess, Nos  
Endometrial Stromal Sarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Congenital Malformation, Nos

Clitoral gland

Cyst, Nos

Liver

Granuloma, Nos

Pituitary gland

Anterior Pituitary

Hyperplasia, Nos

Uterus

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_048

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Osteosclerosis
Clitoral gland	Cyst, Nos
Liver	Congenital Malformation, Nos
Mammary gland	Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver		Congenital Malformation, Nos
Lymph node		Plasmacytosis
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Tongue		Squamous Cell Papilloma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_050

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 313 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver

Granuloma, Nos

Lymph node

Edema, Lymph

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_001

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain

Hemorrhage

Kidney

Infarct, Nos

Nephropathy

Liver

Metamorphosis, Fatty

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_002

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Abscess, Nos

Kidney

Hyperplasia, Nos

Liver

Nephropathy

Lymph node

Granuloma, Nos

Mammary gland

Granuloma, Nos

Pancreas

Acinus

Fibroadenoma

Thyroid

Atrophy, Nos

Uterus

C-Cell Adenoma

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_003

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nos
Clitoral gland		Cyst, Nos
Eye		Cataract
Heart		Neurilemoma
Intestine Large	Rectum	Leiomyosarcoma
Pituitary gland	Anterior Pituitary	Cyst, Nos
Salivary gland		Inflammation, Chronic Focal
Unspecified	Adipose Tissue	Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_004

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye		Hemorrhage
Liver		Metamorphosis, Fatty
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Stomach		Ulcer, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_005

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Adenoma, Nos

Inflammation, Acute

Heart

Fibrosis, Focal

Intestine Large

Rectum

Parasitism

Kidney

Nephropathy

Liver

Granuloma, Nos

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Thyroid

C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_006

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Liver

Lymph node

Mammary gland

Pituitary gland

Anterior Pituitary

Cyst, Nos

Granuloma, Nos

Metamorphosis, Fatty

Granuloma, Nos

Lactation

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_007

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nos
Kidney		Nephropathy
Liver		Metamorphosis, Fatty
Mammary gland		Lactation
Ovary		Cyst, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_008

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Liver

Bile Duct

Cyst, Nos

Hyperplasia, Nos

Inflammation, Chronic Focal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_009

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Granuloma, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Unspecified

Adipose Tissue

Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_010

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland  
Liver  
Mammary gland

Cyst, Nos  
Granuloma, Nos  
Fibroadenoma  
Lactation  
Cyst, Nos  
Adenoma, Nos  
Hyperplasia, C Cell

Ovary  
Pituitary gland  
Thyroid

Anterior Pituitary

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_011

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Adenoma, Nos

Kidney

Glomerulosclerosis, Nos

Liver

Hyperplastic Nodule

Lung

Alveoli

Histiocytosis

Mammary gland

Lactation

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Unspecified

Adipose Tissue

Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_012

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain

Hydrocephalus, Nos

Clitoral gland

Atrophy, Nos

Liver

Granuloma, Nos

Lymph node

Plasmacytosis

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_013

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland  
Mammary gland  
Pituitary gland  
Unspecified  
Uterus

Anterior Pituitary  
Multiple Organs Nos

Atrophy, Nos  
Fibroadenoma  
Cyst, Nos  
Leukemia, Mononuclear Cell  
Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_014

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone

Osteosclerosis

Clitoral gland

Cyst, Nos

Lymph node

Hemosiderosis

Pituitary gland

Anterior Pituitary

Cyst, Nos

Anterior Pituitary

Hyperplasia, Nos

Unspecified

Adipose Tissue

Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_015

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Abscess, Nos

Eye

Cyst, Nos

Retina

Cataract

Kidney

Degeneration, Nos

Mammary gland

Glomerulosclerosis, Nos

Fibroadenoma

Lactation

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Spleen

Hematoma, Organized

Thyroid

C-Cell Adenoma

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Adipose Tissue

Necrosis, Fat

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_016

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Abscess, Nos

Liver

Cyst, Nos

Lung

Granuloma, Nos

Pituitary gland

Alveoli

Histiocytosis

Anterior Pituitary

Cyst, Nos

Anterior Pituitary

Hyperplasia, Nos

Thymus

Thymoma, Benign

Uterus

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_017

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Pituitary gland

Anterior Pituitary

Cyst, Nos

Spleen

Metaplasia, Myeloid

Thyroid

C-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_018

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Kidney

Liver

Lymph node

Mammary gland

Pituitary gland

Anterior Pituitary

Cyst, Nos

Nephropathy

Metamorphosis, Fatty

Peliosis Hepatis

Plasmacytosis

Lactation

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_019

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Kidney

Lung

Pituitary gland

Anterior Pituitary

Cyst, Nos

Nephropathy

Hemorrhage

Hyperplasia, Adenomatous

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_020

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Eye

Kidney

Mammary gland

Nasal cavity

Pancreas

Pituitary gland

Thyroid

Unspecified

Acinus

Anterior Pituitary

Multiple Organs Nos

Cyst, Nos

Cataract

Nephropathy

Lactation

Inflammation, Chronic

Atrophy, Nos

Adenoma, Nos

Hyperplasia, C Cell

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_021

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Cyst, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_022

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Kidney

Nephropathy

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Cyst, Nos

Stomach

Forestomach

Squamous Cell Carcinoma

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_023

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Uterus

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_024

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Liver

Pituitary gland

Anterior Pituitary

Anterior Pituitary

Cyst, Nos

Granuloma, Nos

Adenoma, Nos

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_025

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye		Cataract
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Adenoma, Nos
		Fibroadenoma
Ovary		Cyst, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_026

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Glomerulosclerosis, Nos
Liver		Hyperplastic Nodule
Lung		Granuloma, Foreign Body
Lymph node		Plasmacytosis
Nasal cavity		Inflammation, Chronic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thyroid		Follicular-Cell Carcinoma
Unspecified	Adipose Tissue	Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_027

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland  
Eye  
Heart  
Kidney  
Liver

Cyst, Nos  
Cataract  
Fibrosis, Focal  
Nephropathy  
Granuloma, Nos  
Peliosis Hepatis

Mammary gland

Fibroadenoma  
Lactation

Pituitary gland  
Tongue

Anterior Pituitary

Adenoma, Nos  
Squamous Cell Papilloma

Unspecified

Adipose Tissue

Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_028

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Kidney

Lung

Mammary gland

Pancreas

Pituitary gland

Uterus

Acinus

Anterior Pituitary

Anterior Pituitary

Cyst, Nos

Nephropathy

Alveolar/Bronchiolar Adenoma

Lactation

Atrophy, Nos

Cyst, Nos

Hyperplasia, Nos

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_029

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Clitoral gland

Cyst, Nos

Heart

Thrombus, Mural

Liver

Metamorphosis, Fatty

Mammary gland

Lactation

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_030

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Mammary gland

Pituitary gland

Anterior Pituitary

Cyst, Nos

Fibroadenoma

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_031

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Atrophy, Nos

Mammary gland

Cyst, Nos

Pituitary gland

Hyperplasia, Nos

Anterior Pituitary

Cyst, Nos

Anterior Pituitary

Hemorrhage

Anterior Pituitary

Hyperplasia, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_032

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Mandible	Squamous Cell Carcinoma, Invasive
Liver		Metamorphosis, Fatty
Lung	Alveoli	Histiocytosis
Lymph node		Plasmacytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Skin		Squamous Cell Carcinoma
Spleen		Hemosiderosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_033

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Adenoma, Nos

Heart

Thrombus, Mural

Liver

Congestion, Nos

Metamorphosis, Fatty

Lung

Congestion, Nos

Mammary gland

Adenocarcinoma, Nos

Adenoma, Nos

Fibroadenoma

Lactation

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_034

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Liver

Pituitary gland

Anterior Pituitary

Anterior Pituitary

Cyst, Nos

Granuloma, Nos

Cyst, Nos

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_035

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Pituitary gland

Anterior Pituitary

Cyst, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_036

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver		Metamorphosis, Fatty
Lymph node		Plasmacytosis
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_037

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nos

Liver

Granuloma, Nos

Lymph node

Hemorrhage

Pituitary gland

Anterior Pituitary

Cyst, Nos

Thymus

Anterior Pituitary

Hyperplasia, Nos

Uterus

Hemorrhage

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_038

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver	Necrosis, Nos
Mammary gland	Fibroadenoma
Uterus	Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_039

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Eye

Cataract

Mammary gland

Lactation

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_040

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Thyroid

Unspecified

Uterus

Multiple Organs Nos

C-Cell Adenoma

Leukemia, Mononuclear Cell

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_041

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver

Mammary gland

Pituitary gland

Anterior Pituitary

Anterior Pituitary

Granuloma, Nos

Fibroadenoma

Adenoma, Nos

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_042

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nos
Clitoral gland		Atrophy, Nos
Intestine Large	Rectum	Parasitism
Liver		Metamorphosis, Fatty
Mammary gland		Adenocarcinoma, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_043

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Mammary gland

Pituitary gland

Spleen

Anterior Pituitary

Glomerulosclerosis, Nos

Granuloma, Nos

Fibroadenoma

Lactation

Adenoma, Nos

Metaplasia, Myeloid

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_044

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland  
Liver  
Mammary gland

Bile Duct

Thyroid  
Unspecified

Adipose Tissue

Cyst, Nos  
Hyperplasia, Nos  
Adenocarcinoma, Nos  
Fibroadenoma  
C-Cell Adenoma  
Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_045

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Mammary gland

Pituitary gland

Spleen

Anterior Pituitary

Fibroadenoma

Cyst, Nos

Metaplasia, Myeloid

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_046

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Clitoral gland

Cortex Nos

Hyperplasia, Nos  
Adenoma, Nos  
Cyst, Nos

Liver  
Mammary gland

Granuloma, Nos  
Fibroadenoma  
Lactation

Pituitary gland  
Spleen  
Uterus

Anterior Pituitary

Adenoma, Nos  
Granuloma, Nos  
Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_047

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain

Kidney

Mammary gland

Pituitary gland

Spleen

Thyroid

Anterior Pituitary

Hydrocephalus, Nos

Nephropathy

Lactation

Adenoma, Nos

Hemosiderosis

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_048

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Eye

Intestine Large

Liver

Pituitary gland

Thyroid

Cecum, Colon

Anterior Pituitary

Cyst, Nos

Cataract

Phthisis Bulbi

Necrosis, Focal

Hyperplastic Nodule

Hyperplasia, Nos

C-Cell Adenoma

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_049

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Kidney

Pituitary gland

Unspecified

Uterus

Anterior Pituitary

Multiple Organs Nos

Cyst, Nos

Nephropathy

Adenoma, Nos

Leukemia, Mononuclear Cell

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_050

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 156 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Kidney

Liver

Lung

Pancreas

Pituitary gland

Spleen

Alveoli

Islets

Anterior Pituitary

Cyst, Nos

Nephropathy

Granuloma, Nos

Histiocytosis

Islet-Cell Adenoma

Adenoma, Nos

Hemosiderosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_001

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Clitoral gland

Abscess, Nos

Kidney

Nephropathy

Nasal cavity

Metaplasia, Squamous

Pituitary gland

Anterior Pituitary

Angiectasis

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_002

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Atrophy, Nos

Kidney

Nephropathy

Liver

Metamorphosis, Fatty

Thymus

Atrophy, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_003

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Atrophy, Nos

Heart

Fibrosis, Focal

Spleen

Metaplasia, Myeloid

Stomach

Forestomach

Hyperplasia, Epithelial

Uterus

Endometrial Stromal Sarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_004

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Nephropathy
Ovary		Granulosa-Cell Tumor
Pituitary gland	Anterior Pituitary	Angiectasis
Spleen		Metaplasia, Myeloid
Unspecified	Adipose Tissue	Necrosis, Fat
Uterus		Endometrial Stromal Sarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_005

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland  
Lymph node  
Mammary gland  
Spleen

Hyperplasia, Nos  
Histiocytosis  
Fibroadenoma  
Metaplasia, Myeloid

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_006

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Pituitary gland

Unspecified

Uterus

Anterior Pituitary

Anterior Pituitary

Multiple Organs Nos

Congestion, Nos

Necrosis, Focal

Nephropathy

Metamorphosis, Fatty

Cyst, Nos

Hemorrhage

Leukemia, Mononuclear Cell

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_007

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Abscess, Nos

Liver

Cyst, Nos

Congenital Malformation, Nos

Mammary gland

Hyperplastic Nodule

Pituitary gland

Anterior Pituitary

Fibroadenoma

Thyroid

Hyperplasia, Nos

Unspecified

Hyperplasia, C Cell

Zymbal gland

Adipose Tissue

Necrosis, Fat

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

**ANIMAL ID:** 3\_008

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Brain	Ventricle	Hemorrhage
Clitoral gland		Atrophy, Nos
		Cyst, Nos
Heart		Fibrosis, Focal
Kidney		Nephropathy
Liver		Granuloma, Nos
		Metamorphosis, Fatty
Lymph node		Histiocytosis
Mammary gland		Cyst, Nos
		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_009

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Carcinoma, Nos

Kidney

Nephropathy

Liver

Granuloma, Nos

Lymph node

Hyperplasia, Nos

Mammary gland

Lactation

Pituitary gland

Anterior Pituitary

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_010

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Nephropathy
Liver		Granuloma, Nos
		Metamorphosis, Fatty
Lymph node		Granuloma, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach		Erosion
Uterus		Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_011

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland  
Liver  
Lung  
Mammary gland

Pancreas  
Pituitary gland

Uterus

Acinus  
Anterior Pituitary  
Anterior Pituitary  
Endometrium

Cyst, Nos  
Hyperplastic Nodule  
Alveolar/Bronchiolar Adenoma  
Fibroadenoma  
Lactation  
Atrophy, Nos  
Cyst, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_012

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Mammary gland

Pancreas

Thyroid

Uterus

Acinus

Fibroadenoma

Atrophy, Nos

C-Cell Adenoma

Hyperplasia, C Cell

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_013

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Kidney

Nephropathy

Lung

Alveoli

Histiocytosis

Mammary gland

Lactation

Pituitary gland

Anterior Pituitary

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_014

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Ear

Liver

Lung

Pituitary gland

Unspecified

Bile Duct

Alveoli

Anterior Pituitary

Anterior Pituitary

Multiple Organs Nos

Abscess, Nos

Ulcer, Nos

Hyperplasia, Nos

Histiocytosis

Cyst, Nos

Hyperplasia, Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_015

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain		Degeneration, Myelin
Clitoral gland		Cyst, Nos
Lung		Pneumonia, Interstitial Chronic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Skin		Abscess, Nos
Spleen		Metaplasia, Myeloid
Thyroid		C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_016

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Adenoma, Nos

Kidney

Cyst, Nos

Liver

Nephropathy

Mammary gland

Metamorphosis, Fatty

Pancreas

Acinus

Adenoma, Nos

Pituitary gland

Anterior Pituitary

Atrophy, Nos

Unspecified

Multiple Organs Nos

Adenoma, Nos

Uterus

Leukemia, Mononuclear Cell

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_017

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver

Granuloma, Nos

Mammary gland

Lactation

Pituitary gland

Anterior Pituitary

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_018

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Heart

Mammary gland

Pituitary gland

Skin

Uterus

Anterior Pituitary

Anterior Pituitary

Nose

Cervix Uteri

Adenoma, Nos

Fibrosis, Focal

Fibroadenoma

Lactation

Cyst, Nos

Hyperplasia, Nos

Basal-Cell Tumor

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_019

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Ovary

Pituitary gland

Spleen

Thyroid

Anterior Pituitary

Carcinoma, Nos

Cyst, Nos

Cyst, Nos

Metaplasia, Myeloid

C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_020

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nos
Clitoral gland		Atrophy, Nos
Eye	Retina	Atrophy, Nos
		Sclerosis
Liver		Metamorphosis, Fatty
Lymph node		Squamous Cell Carcinoma, Metastatic
Pituitary gland	Anterior Pituitary	Cyst, Nos
Skin	Tail	Keratoacanthoma
	Face	Squamous Cell Carcinoma
Stomach	Forestomach	Squamous Cell Papilloma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_021

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Eye

Liver

Mammary gland

Pancreas

Unspecified

Uterus

Bile Duct

Acinus

Adipose Tissue

Cyst, Nos

Cataract

Granuloma, Nos

Hyperplasia, Nos

Fibroadenoma

Atrophy, Nos

Necrosis, Fat

Endometrial Stromal Polyp

Infarct, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_022

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Nos

Mammary gland

Fibroadenoma

Lactation

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Cyst, Nos

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Adipose Tissue

Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_023

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Lymph node

Thyroid

Uterus

C-Cell Carcinoma, Metastatic

C-Cell Carcinoma

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_024

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland  
Liver

Cyst, Nos  
Infarct, Focal  
Metamorphosis, Fatty

Lymph node  
Ovary  
Pituitary gland

Plasmacytosis  
Cyst, Nos

Anterior Pituitary  
Anterior Pituitary

Cyst, Nos  
Hyperplasia, Nos

Stomach  
Unspecified

Erosion  
Leukemia, Mononuclear Cell  
Necrosis, Fat

Multiple Organs Nos  
Adipose Tissue

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_025

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland  
Heart  
Lung  
Mammary gland  
Pituitary gland

Anterior Pituitary  
Anterior Pituitary

Cyst, Nos  
Inflammation, Chronic Focal  
Atelectasis  
Fibroadenoma  
Cyst, Nos  
Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_026

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Lymph node

Mammary gland

Pituitary gland

Anterior Pituitary

Atrophy, Nos

Granuloma, Nos

Plasmacytosis

Fibroadenoma

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

**ANIMAL ID:** 3\_027

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Reticulum Cell
Clitoral gland		Cyst, Nos
		Inflammation, Chronic
Heart		Fibrosis, Focal
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Mammary gland		Fibroadenoma
		Lactation
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_028

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone

Osteosclerosis

Clitoral gland

Cyst, Nos

Heart

Fibrosis, Focal

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Cyst, Nos

Anterior Pituitary

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_029

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Kidney

Mammary gland

Pituitary gland

Anterior Pituitary

Cyst, Nos

Nephropathy

Lactation

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_030

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Bone marrow		Granuloma, Nos
Clitoral gland		Cyst, Nos
Kidney		Nephropathy
Liver		Granuloma, Nos
Lung		Alveolar/Bronchiolar Adenoma
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_031

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Thyroid

C-Cell Adenoma

Uterus

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_032

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Mammary gland

Pituitary gland

Anterior Pituitary

Anterior Pituitary

Calcification, Nos

Fibroadenoma

Adenoma, Nos

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_033

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Inflammation, Chronic

Mammary gland

Fibroadenoma

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Thyroid

C-Cell Carcinoma

Uterus

Fallopian Tube

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_034

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Cyst, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Uterus

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_035

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland  
Kidney  
Liver  
Pituitary gland  
  
Unspecified

Bile Duct  
Anterior Pituitary  
Anterior Pituitary  
Adipose Tissue

Cyst, Nos  
Nephropathy  
Hyperplasia, Nos  
Cyst, Nos  
Hyperplasia, Nos  
Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_036

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis, Focal
Kidney		Nephropathy
Mammary gland		Lactation
Pituitary gland	Anterior Pituitary	Cyst, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_037

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Kidney

Liver

Mammary gland

Pituitary gland

Thyroid

Uterus

Bile Duct

Anterior Pituitary

Atrophy, Nos

Nephropathy

Cytoplasmic Change, Basophilic

Hyperplasia, Nos

Lactation

Hyperplasia, Nos

Hyperplasia, C Cell

Decidual Alteration, Nos

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_038

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Kidney

Liver

Mammary gland

Pituitary gland

Bile Duct

Anterior Pituitary

Cyst, Nos

Nephropathy

Hyperplasia, Nos

Lactation

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_039

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Cystic
Clitoral gland		Carcinoma, Nos
Heart		Thrombus, Mural
Liver		Metamorphosis, Fatty
Lung		Atelectasis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Thyroid		Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_040

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Thyroid

C-Cell Adenoma

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_041

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Unspecified

Adipose Tissue

Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_042

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Lymph node

Hyperplasia, Nos

Mammary gland

Plasmacytosis

Nasal cavity

Lactation

Parathyroid gland

Hemorrhage

Pituitary gland

Anterior Pituitary

Hyperplasia, Secondary

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_043

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland  
Mammary gland  
Pituitary gland  
Stomach  
Thyroid

Anterior Pituitary  
Forestomach

Cyst, Nos  
Fibroadenoma  
Cyst, Nos  
Hyperplasia, Epithelial  
Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_044

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Carcinoma, Nos

Lung

Alveolar/Bronchiolar Adenoma

Mammary gland

Fibroadenoma

Ovary

Cyst, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Cyst, Nos

Uterus

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:55

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

**Lab:** NA

---

**ANIMAL ID:** 3\_045

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Granuloma, Nos

Bile Duct

Hyperplasia, Nos

Mammary gland

Fibroadenoma

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Unspecified

Adipose Tissue

Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_046

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Eye

Conjunctiva

Inflammation, Chronic Focal

Mammary gland

Fibroadenoma

Nasal cavity

Infection, Fungal

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_047

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Lung

Nasal cavity

Pituitary gland

Uterus

Anterior Pituitary

Endometrium

Cyst, Nos

Adenocarcinoma, Nos, Metastatic

Inflammation, Chronic

Cyst, Nos

Adenocarcinoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_048

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Pyelonephritis, Chronic

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Thyroid

Hyperplasia, C Cell

Urinary bladder

Edema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_049

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Neurilemoma
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Mammary gland		Lactation
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Unspecified	Adipose Tissue	Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56075

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diphenhydramine hydrochloride

**CAS Number:** 147-24-0

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

**Time Report Requested:** 15:16:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_050

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Clitoral gland

Cyst, Nos

Liver

Granuloma, Nos

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Uterus

Endometrium

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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

\* PROTOCOL REQUIRED TISSUE