

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

**C Number:** C54922

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Female

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_001

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Mammary gland

Pituitary gland

Cystic Ducts

Adenoma, Nos

Angiectasis

Unspecified

Multiple Organs Nos

Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Lymph node	Pancreatic Lymph Node	Hyperplasia, Lymphoid
Pituitary gland		Adenoma, Nos
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Lymphocytic Inflammatory Infiltrate
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
		Angiectasis
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Pituitary gland

Unspecified

Multiple Organs Nos

Cyst, Nos

Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Angiectasis

Heart

Cortex Nos

Cytoplasmic Vacuolization

Mammary gland

Myocardium Nos

Inflammation, Chronic

Unspecified

Multiple Organs Nos

Fibroadenoma

Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Mammary gland		Cystic Ducts
Pituitary gland		Angiectasis
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Uterus		Hemorrhage, Chronic
		Hydrometra
	Endometrium	Hyperplasia, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic
	Broad Ligament	Steatitis

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Pigmentation, Nos

Uterus

Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

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**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Pancreas  
Spleen  
Thyroid

Cortex Nos  
Islets

Cytoplasmic Vacuolization  
Islet-Cell Adenoma  
Hemosiderosis  
C-Cell Adenoma  
Cystic Follicles  
Pigmentation, Nos  
Hyperplasia, Cystic

Unspecified  
Uterus

Multiple Organs Nos  
Endometrium

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Lung

C-Cell Carcinoma, Metastatic

Mammary gland

Adenocarcinoma, Nos

Pituitary gland

Cystic Ducts

Adenoma, Nos

Thyroid

Angiectasis

Trachea

C-Cell Carcinoma

Unspecified

Multiple Organs Nos

C-Cell Carcinoma, Invasive

Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

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**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Skin

Foot And Toe Nos

Hyperkeratosis

Unspecified

Multiple Organs Nos

Pigmentation, Nos

Uterus

Endometrial Stromal Polyp

Broad Ligament

Steatitis

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Mammary gland		Fibroadenoma
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Uterus	Endometrium	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Heart

Myocardium Nos

Inflammation, Chronic

Mammary gland

Fibroadenoma

Nasal cavity

Inflammation, Suppurative

Unspecified

Fibroma

Multiple Organs Nos

Pigmentation, Nos

Uterus

Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Ovary

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Cystic Follicles

Pigmentation, Nos

Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Bone

Pituitary gland

Thyroid

Unspecified

Skull

Multiple Organs Nos

Pheochromocytoma

Hyperostosis

Cyst, Multiple

C-Cell Adenoma

Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_016

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart

Myocardium Nos

Inflammation, Chronic

Mammary gland

Fibroadenoma

Uterus

Endometrium

Cyst, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Clitoral gland

Heart

Kidney

Pituitary gland

Unspecified

Myocardium Nos

Multiple Organs Nos

Cystic Ducts

Inflammation, Chronic

Nephropathy

Angiectasis

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney

Tubule

Pigmentation, Nos

Pituitary gland

Cyst, Nos

Thyroid

Follicle

Pigmentation, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Uterus

Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

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**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Cornea

Inflammation, Chronic

Kidney

Nephropathy

Unspecified

Multiple Organs Nos

Pigmentation, Nos

Zymbal gland

Carcinoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

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**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Focal
Mammary gland		Cystic Ducts
		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland		Adenoma, Nos
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Urinary bladder		Transitional-Cell Papilloma
Uterus		Leiomyosarcoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

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**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Liver		Inflammation, Acute/Chronic
	Bile Duct	Inflammation, Chronic
Thyroid		Hyperplasia, Follicular Cell
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

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**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart

Myocardium Nos

Inflammation, Chronic

Unspecified

Multiple Organs Nos

Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

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**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Kidney

Cortex Nos

Cytoplasmic Vacuolization

Mammary gland

Nephropathy

Pituitary gland

Cystic Ducts

Stomach

Omentum Nos

Fibroadenoma

Thyroid

Adenoma, Nos

Unspecified

Steatitis

Uterus

Multiple Organs Nos

Follicular-Cell Carcinoma

Multiple Organs Nos

Leukemia, Mononuclear Cell

Broad Ligament

Pigmentation, Nos

Broad Ligament

Inflammation, Acute/Chronic

Steatitis

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

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**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephropathy

Mammary gland

Cystic Ducts

Pituitary gland

Adenoma, Nos

Stomach

Forestomach

Squamous Cell Papilloma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

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**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Urinary bladder		Hyperplasia, Epithelial
	Submucosa	Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

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**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Pigmentation, Nos

Spleen

Hematopoiesis

Thyroid

Follicular-Cell Adenoma

Uterus

Endometrium

Pigmentation, Nos

Zymbal gland

Hyperplasia, Cystic

Carcinoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Heart

Myocardium Nos

Inflammation, Chronic

Pituitary gland

Cyst, Multiple

Thyroid

Hyperplasia, Cystic

Unspecified

Multiple Organs Nos

Pigmentation, Nos

Uterus

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Carcinoma, Nos

Heart

Myocardium Nos

Inflammation, Chronic

Pancreas

Inflammation, Chronic

Pituitary gland

Acinar-Cell Adenoma

Angiectasis

Unspecified

Multiple Organs Nos

Hyperplasia, Focal

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Lymphocytic Inflammatory Infiltrate
Pituitary gland		Adenoma, Nos
		Angiectasis
Thyroid		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Uterus		Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Pituitary gland		Adenoma, Nos
		Cyst, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Mammary gland		Cystic Ducts
Pancreas	Acinus	Hyperplasia, Nos
Pituitary gland		Angiectasis
		Carcinoma, Nos
Thyroid	Follicle	Hyperplasia, Cystic
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Intestine Small  
Liver  
Mammary gland  
Spleen  
Unspecified

Cortex Nos  
Duodenum

Multiple Organs Nos

Cytoplasmic Vacuolization  
Leiomyosarcoma  
Necrosis, Zonal  
Cystic Ducts  
Hematopoiesis  
Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_034

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Pituitary gland		Cyst, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Multiple Organs Nos	Pigmentation, Nos
Uterus	Endometrium	Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Mammary gland

Cystic Ducts

Pituitary gland

Adenoma, Nos

Thyroid

Follicle

Angiectasis

Unspecified

Multiple Organs Nos

Hyperplasia, Cystic

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Skin	Lip Nos	Squamous Cell Papilloma
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Mammary gland		Cystic Ducts
		Fibroadenoma
	Mammary Lobule	Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
		Angiectasis
Stomach	Forestomach	Hyperplasia, Papillary
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Degeneration, Nos

Kidney

Tubule

Pigmentation, Nos

Salivary gland

Inflammation, Acute Suppurative

Spleen

Hemosiderosis

Thyroid

Pigmentation, Nos

Uterus

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Inflammation, Chronic

Mammary gland

Fibroadenoma

Pituitary gland

Adenoma, Nos

Unspecified

Multiple Organs Nos

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Thyroid		Cyst, Thyroglossal Duct
Unspecified	Multiple Organs Nos	Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_041

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Mammary gland		Fibroadenoma
Pancreas	Acinus	Atrophy, Nos
Unspecified	Multiple Organs Nos	Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Mammary gland

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Nephropathy

Fibroadenoma

Pigmentation, Nos

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Liver		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Adenomatous
Ovary		Cystic Follicles
Pituitary gland		Angiectasis
Thyroid		Cyst, Hemorrhagic
Unspecified	Multiple Organs Nos	Hyperplasia, C Cell
Uterus		Pigmentation, Nos
		Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Inflammation, Chronic

Mammary gland

Adenocarcinoma, Nos

Pituitary gland

Adenoma, Nos

Angiectasis

Unspecified

Multiple Organs Nos

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Cortex Nos

Focal Cellular Change

Brain

Carcinoma, Nos, Invasive

Mammary gland

Cystic Ducts

Ovary

Cyst, Nos

Pituitary gland

Angiectasis

Carcinoma, Nos

Hemorrhage

Hemosiderosis

Necrosis, Nos

Spleen

Hemosiderosis

Unspecified

Multiple Organs Nos

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Pituitary gland		Adenoma, Nos
		Angiectasis
Unspecified		Fibroma
	Multiple Organs Nos	Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic
		Leiomyoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Mammary gland		Cystic Ducts
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Adenomatous

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_048

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart Pheochromocytoma, Malignant

Intestine Small Mesentery Nos Fibrosis, Focal

Kidney Tubule Necrosis, Fat

Liver Pigmentation, Nos

Fibrosis, Focal

Hemosiderosis

Spleen Necrosis, Zonal

Thyroid Hemosiderosis

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Heart

Myocardium Nos

Inflammation, Chronic

Mammary gland

Fibroadenoma

Pituitary gland

Adenoma, Nos

Stomach

Forestomach

Angiectasis

Unspecified

Multiple Organs Nos

Squamous Cell Papilloma

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 1\_050

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Heart

Kidney

Thyroid

Unspecified

Uterus

Myocardium Nos

Multiple Organs Nos

Endometrium

Carcinoma, Nos

Inflammation, Chronic

Cyst, Nos

Nephropathy

Cyst, Thyroglossal Duct

Pigmentation, Nos

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_001

**TRT#:** 2

**DOSE:** 250.0 MG/KG

**SEX:** Female

**DISP:** Moribund Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Esophagus

Hyperkeratosis

Kidney

Tubule

Pigmentation, Nos

Liver

Centrilobular

Cytoplasmic Vacuolization

Lung

Adenocarcinoma, Nos, Metastatic

Mammary gland

Metaplasia, Squamous

Spleen

Adenocarcinoma, Nos

Thyroid

Follicle

Hematopoiesis

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_002

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Bone

Tarsal Joint

Osteoarthritis

Eye

Cataract

Heart

Myocardium Nos

Retinopathy

Inflammation, Chronic

Liver

Inflammation, Granulomatous Focal

Pancreas

Atrophy, Focal

Unspecified

Multiple Organs Nos

Pigmentation, Nos

Urinary bladder

Transitional-Cell Papilloma

Uterus

Hydrometra

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_003

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Accessory Structure

Eye

Cortex Nos

Cytoplasmic Vacuolization

Heart

Myocardium Nos

Cataract

Mammary gland

Retinopathy

Pancreas

Islets

Inflammation, Chronic

Pituitary gland

Fibroadenoma

Unspecified

Multiple Organs Nos

Islet-Cell Carcinoma

Uterus

Cervix Uteri

Angiectasis

Hyperplasia, Nos

Pigmentation, Nos

Endometrial Stromal Polyp

Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_004

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Eye

Cortex Nos

Cytoplasmic Vacuolization  
Cataract

Heart  
Mammary gland

Myocardium Nos

Retinopathy  
Inflammation, Chronic

Pituitary gland  
Unspecified  
Uterus

Multiple Organs Nos

Cystic Ducts  
Fibroadenoma  
Hyperplasia, Focal  
Pigmentation, Nos  
Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_005

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Cataract

Heart

Retinopathy

Kidney

Myocardium Nos

Inflammation, Chronic

Mammary gland

Pelvis

Mineralization

Pituitary gland

Cystic Ducts

Unspecified

Fibroadenoma

Uterus

Multiple Organs Nos

Adenoma, Nos

Endometrium

Pigmentation, Nos

Endometrium

Hyperplasia, Adenomatous

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_006

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Pituitary gland

Adenoma, Nos

Unspecified

Multiple Organs Nos

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_007

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Cataract

Heart

Retinopathy

Mammary gland

Myocardium Nos

Inflammation, Chronic

Pituitary gland

Cystic Ducts

Adenoma, Nos

Unspecified

Multiple Organs Nos

Angiectasis

Uterus

Endometrium

Pigmentation, Nos

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_008

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Inflammation, Chronic

Lung

Congestion, Nos

Unspecified

Multiple Organs Nos

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_009

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Cataract

Heart

Myocardium Nos

Retinopathy

Mammary gland

Inflammation, Chronic

Pancreas

Acinus

Cystic Ducts

Pituitary gland

Fibroadenoma

Atrophy, Nos

Unspecified

Multiple Organs Nos

Adenoma, Nos

Uterus

Endometrium

Angiectasis

Pigmentation, Nos

Hyperplasia, Cystic

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PRIMARY CAUSE OF DEATH

-

---

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_010

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Eye

Cortex Nos

Cytoplasmic Vacuolization  
Cataract  
Retinopathy

Pancreas  
Thyroid

Islets

Islet-Cell Carcinoma  
Follicular-Cell Adenoma

Unspecified

Multiple Organs Nos

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_011

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Eye

Heart

Lung

Mammary gland

Thyroid

Unspecified

Uterus

Myocardium Nos

Multiple Organs Nos

Endometrium

Pheochromocytoma

Cataract

Retinopathy

Inflammation, Chronic

Hyperplasia, Alveolar Epithelium

Cystic Ducts

Fibroadenoma

Cyst, Thyroglossal Duct

Pigmentation, Nos

Hyperplasia, Cystic

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_012

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Cataract

Heart

Myocardium Nos

Retinopathy

Ovary

Inflammation, Chronic

Pituitary gland

Granulosa-Cell Tumor

Adenoma, Nos

Thyroid

Angiectasis

Unspecified

Multiple Organs Nos

Cyst, Thyroglossal Duct

Uterus

Endometrium

Pigmentation, Nos

Endometrium

Hyperplasia, Adenomatous

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_013

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Cataract

Heart

Myocardium Nos

Retinopathy

Mammary gland

Inflammation, Chronic

Pituitary gland

Cystic Ducts

Adenoma, Nos

Skin

Foot And Toe Nos

Angiectasis

Spleen

Capsule

Hyperkeratosis

Thyroid

Fibrosis, Focal

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Uterus

Endometrium

Pigmentation, Nos

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_014

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Eye

Cortex Nos

Cytoplasmic Vacuolization  
Cataract

Intestine Large  
Mammary gland  
Pituitary gland

Rectum

Retinopathy  
Parasitism  
Cystic Ducts  
Adenoma, Nos  
Angiectasis

Spleen  
Unspecified

Multiple Organs Nos

Hemosiderosis  
Hemosiderosis  
Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_015

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Eye		Cataract
		Retinopathy
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
Mammary gland		Cystic Ducts
		Fibroadenoma
Pituitary gland		Angiectasis
		Carcinoma, Nos
		Hemosiderosis
Stomach	Forestomach	Hyperkeratosis
	Forestomach	Hyperplasia, Epithelial
Unspecified	Multiple Organs Nos	Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_016

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Clitoral gland

Kidney

Mammary gland

Thyroid

Unspecified

Multiple Organs Nos

Pheochromocytoma

Carcinoma, Nos

Cystic Ducts

Inflammation, Acute Suppurative

Nephropathy

Fibroadenoma

Hyperplasia, C Cell

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_017

**TRT#:** 2

**DOSE:** 250.0 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Clitoral gland

Cortex Nos

Focal Cellular Change  
Carcinoma, Nos  
Cystic Ducts

Eye

Cataract  
Retinopathy

Heart  
Mammary gland

Myocardium Nos

Inflammation, Chronic  
Fibroadenoma

Pancreas  
Thyroid

Acinus

Atrophy, Focal  
Cyst, Thyroglossal Duct  
Hyperplasia, C Cell

Unspecified  
Uterus

Multiple Organs Nos  
Endometrium

Pigmentation, Nos  
Hyperplasia, Cystic

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_018

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Accidentally Killed

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Carcinoma, Nos

Kidney

Inflammation, Chronic Suppurative

Unspecified

Nephropathy

Multiple Organs Nos

Leukemia, Mononuclear Cell

Multiple Organs Nos

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_019

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Cataract

Heart

Retinopathy

Mammary gland

Myocardium Nos

Inflammation, Chronic

Pancreas

Acinus

Cystic Ducts

Pituitary gland

Atrophy, Nos

Unspecified

Multiple Organs Nos

Angiectasis

Cyst, Nos

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_020

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Clitoral gland

Eye

Heart

Kidney

Mammary gland

Unspecified

Myocardium Nos

Multiple Organs Nos

Cortical Adenoma

Carcinoma, Nos

Inflammation, Chronic Suppurative

Cataract

Retinopathy

Inflammation, Chronic

Nephropathy

Adenosis

Cystic Ducts

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_021

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Cataract

Intestine Small

Mesentery Nos

Retinopathy

Lung

Steatitis

Mammary gland

Alveolar/Bronchiolar Adenoma

Pituitary gland

Fibroadenoma

Thyroid

Hyperplasia, Focal

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Uterus

Cervix Uteri

Pigmentation, Nos

Endometrium

Endometrial Stromal Polyp

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_022

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Intestine Small	Mesentery Nos	Pigmentation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_023

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Mammary gland		Cystadenoma, Nos
Pituitary gland		Adenoma, Nos
		Angiectasis
Unspecified	Multiple Organs Nos	Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

**ANIMAL ID:** 2\_024

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Cytoplasmic Vacuolization
Brain	Cerebellum Nos	Spongiosis, Status
Eye		Cataract
		Retinopathy
Heart	Myocardium Nos	Inflammation, Chronic
Intestine Small	Mesentery Nos	Steatitis
Kidney		Cyst, Nos
		Nephropathy
Mammary gland		Cystic Ducts
		Fibroadenoma
Pituitary gland		Adenoma, Nos
		Angiectasis
Thyroid		C-Cell Adenoma
Unspecified	Foot	Inflammation, Chronic
	Multiple Organs Nos	Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_025

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Cataract

Pituitary gland

Retinopathy

Thyroid

Adenoma, Nos

C-Cell Carcinoma

Unspecified

Multiple Organs Nos

Hyperplasia, Follicular Cell

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_026

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Focal Cellular Change
		Inflammation, Granulomatous Focal
Mammary gland		Cystic Ducts
		Fibroadenoma
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Adenoma, Nos
		Angiectasis
Skin	Foot And Toe Nos	Inflammation, Chronic
	Foot And Toe Nos	Ulcer, Nos
Unspecified	Multiple Organs Nos	Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_027

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Mammary gland		Cystic Ducts
		Fibroadenoma
Pituitary gland		Adenoma, Nos
Thyroid		Cyst, Thyroglossal Duct
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Multiple Organs Nos	Pigmentation, Nos
Uterus		Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_028

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_029

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney	Pelvis	Hyperplasia, Epithelial
Mammary gland		Fibroadenoma
Pituitary gland		Cyst, Nos
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Multiple Organs Nos	Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_030

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Pigmentation, Nos
Mammary gland		Cystic Ducts
		Fibroadenoma
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Adenoma, Nos
		Angiectasis
Stomach	Forestomach	Ulcer, Nos
Unspecified	Multiple Organs Nos	Leukocytosis, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_031

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Heart

Mammary gland

Myocardium Nos

Unspecified

Uterus

Multiple Organs Nos

Adenoma, Nos

Inflammation, Chronic

Cystic Ducts

Fibroadenoma

Pigmentation, Nos

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_032

**TRT#:** 2

**DOSE:** 250.0 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Liver		Focal Cellular Change
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_033

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Lung		Hyperplasia, Adenomatous
Pituitary gland		Hyperplasia, Focal
Thyroid		Cyst, Thyroglossal Duct
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Uterus		Thrombus, Organized

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_034

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Cataract

Heart

Myocardium Nos

Retinopathy

Ovary

Inflammation, Chronic

Unspecified

Multiple Organs Nos

Cystic Follicles

Multiple Organs Nos

Leukemia, Mononuclear Cell

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_035

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Mammary gland		Fibroadenoma
Pancreas	Acinus	Atrophy, Nos
Skin		Ulcer, Nos
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Uterus	Endometrium	Adenocarcinoma, Nos
	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_036

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Liver		Cytoplasmic Vacuolization
		Inflammation, Granulomatous Focal
Mammary gland		Cystic Ducts
		Fibroadenoma
Pituitary gland		Adenoma, Nos
		Angiectasis
Unspecified	Multiple Organs Nos	Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_037

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Heart

Myocardium Nos

Inflammation, Chronic

Liver

Focal Cellular Change

Unspecified

Multiple Organs Nos

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_038

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Mammary gland		Cystic Ducts
		Fibroadenoma
Parathyroid gland		Angiectasis
Pituitary gland		Hyperplasia, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Urinary bladder		Transitional-Cell Papilloma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_039

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Mammary gland

Cortex Nos

Cytoplasmic Vacuolization  
Cystic Ducts  
Fibroadenoma

Pancreas  
Thyroid  
Uterus

Acinus  
Follicle  
Endometrium

Hyperplasia, Focal  
Pigmentation, Nos  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_040

**TRT#:** 2

**DOSE:** 250.0 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Ovary

Pituitary gland

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Cortical Adenoma

Cyst, Nos

Adenoma, Nos

Angiectasis

Pigmentation, Nos

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_041

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Mammary gland		Cystic Ducts
Unspecified	Multiple Organs Nos	Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_042

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Unspecified		Fibrosarcoma
	Multiple Organs Nos	Pigmentation, Nos
Uterus	Broad Ligament	Steatitis

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_043

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Focal Cellular Change

Mammary gland

Fibroadenoma

Pancreas

Acinus

Hyperplasia, Focal

Unspecified

Multiple Organs Nos

Pigmentation, Nos

Uterus

Endometrium

Hyperplasia, Adenomatous

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_044

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Mammary gland		Cystic Ducts
Pancreas	Acinus	Hyperplasia, Nos
Pituitary gland		Cyst, Nos
Spleen		Congestion, Nos
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Uterus	Endometrium	Cyst, Nos
	Broad Ligament	Steatitis

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_045

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland		Cytoplasmic Vacuolization
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Focal Cellular Change
Pancreas	Acinus	Hyperplasia, Diffuse
Pituitary gland		Cyst, Nos
Stomach	Mucosa	Squamous Cell Papilloma
Thyroid		C-Cell Adenoma
		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Uterus	Broad Ligament	Steatitis

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_046

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Intestine Small	Jejunum	Inflammation, Chronic Focal
Lung		Hyperplasia, Adenomatous
Mammary gland		Cystic Ducts
		Fibroadenoma
Pituitary gland		Cyst, Nos
Unspecified	Multiple Organs Nos	Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_047

**TRT#:** 2

**DOSE:** 250.0 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Heart

Myocardium Nos

Inflammation, Chronic

Mammary gland

Cystic Ducts

Ovary

Cystic Follicles

Pancreas

Acinus

Hyperplasia, Nos

Thyroid

C-Cell Adenoma

Unspecified

Multiple Organs Nos

Pigmentation, Nos

Uterus

Endometrium

Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_048

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cyst, Nos

Heart

Myocardium Nos

Inflammation, Chronic Focal

Mammary gland

Cystic Ducts

Fibroadenoma

Pituitary gland

Adenoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Multiple Organs Nos

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_049

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Angiectasis

Cortical Adenoma

Pheochromocytoma

Thrombosis, Nos

Heart

Myocardium Nos

Inflammation, Chronic

Mammary gland

Cystic Ducts

Fibroadenoma

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Angiectasis

Thyroid

Hyperplasia, C Cell

Unspecified

Follicle

Hyperplasia, Cystic

Uterus

Multiple Organs Nos

Pigmentation, Nos

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 2\_050

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain		Granular-Cell Tumor, Nos
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Mammary gland		Cystic Ducts
Ovary		Granulosa-Cell Tumor
Pituitary gland		Adenoma, Nos
		Angiectasis
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_001

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nodular

Heart

Myocardium Nos

Inflammation, Chronic

Liver

Lymphocytic Inflammatory Infiltrate

Thyroid

C-Cell Adenoma

Uterus

Hyperplasia, C Cell

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_002

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Mammary gland

Pituitary gland

Cortical Adenoma

Fibroadenoma

Adenoma, Nos

Angiectasis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_003

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Lymphocytic Inflammatory Infiltrate
		Scar
Pituitary gland		Adenoma, Nos
Uterus	Broad Ligament	Steatitis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_004

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Mammary gland		Fibroadenoma
Pituitary gland		Angiectasis
		Hyperplasia, Focal
Uterus	Broad Ligament	Steatitis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

**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**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Liver

Cytoplasmic Change, Basophilic

Ovary

Cystic Follicles

Stomach

Forestomach

Hyperkeratosis

Forestomach

Hyperplasia, Epithelial

Forestomach

Inflammation, Chronic

Thyroid

Hyperplasia, C Cell

Uterus

Cervix Uteri

Endometrial Stromal Sarcoma

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

**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**

Heart		Fibrosis, Focal
Lymph node	Mandibular Lymph Node	Lymphangiectasis
	Mandibular Lymph Node	Sarcoma, Nos, Metastatic
Mammary gland		Cystic Ducts
Salivary gland		Sarcoma, Nos, Invasive
Unspecified		Edema, Nos
		Inflammation, Nos
		Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_007

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Pancreas

Pituitary gland

Stomach

Uterus

Cortex Nos

Acinus

Submucosa

Cytoplasmic Vacuolization

Hyperplasia, Focal

Adenoma, Nos

Inflammation, Chronic

Endometrial Stromal Polyp

Endometrial Stromal Sarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_008

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Mammary gland

Myocardium Nos

Pheochromocytoma

Inflammation, Chronic

Cystic Ducts

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_009

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Lung

Mammary gland

Pituitary gland

Myocardium Nos

Pheochromocytoma

Inflammation, Chronic

Hyperplasia, Adenomatous

Cystic Ducts

Adenoma, Nos

Angiectasis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

**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**

Brain		Hemorrhage
		Necrosis, Nos
Pituitary gland		Adenoma, Nos
Thyroid		Cystic Follicles
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_011

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Lung

Mammary gland

Pituitary gland

Thyroid

Pigmentation, Nos

Cystic Ducts

Adenoma, Nos

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_012

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Inflammation, Chronic

Pituitary gland

Carcinoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_013

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Liver

Bile Duct

Mammary gland

Pituitary gland

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Fibrosis, Myelo

Cytoplasmic Vacuolization

Hemorrhage

Hyperplasia, Nos

Necrosis, Nos

Cystic Ducts

Cyst, Nos

Leukemia, Mononuclear Cell

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_014

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_015

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Mammary gland

Pituitary gland

Unspecified

Uterus

Myocardium Nos

Cytoplasmic Vacuolization

Inflammation, Chronic

Cystic Ducts

Fibroadenoma

Adenoma, Nos

Angiectasis

Trichoepithelioma

Endometrial Stromal Polyp

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_016

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Mammary gland		Cystic Ducts
		Fibroadenoma
Thyroid		Follicular-Cell Adenoma
Unspecified		Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_017

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Kidney

Tubule

Pigmentation, Nos

Liver

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Mammary gland

Cystic Ducts

Thyroid

Fibroadenoma

Unspecified

Multiple Organs Nos

C-Cell Adenoma

Uterus

Leukemia, Mononuclear Cell

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_018

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart  
Kidney  
Mammary gland

Myocardium Nos  
Tubule

Inflammation, Chronic  
Calcification, Focal  
Cystic Ducts  
Fibroadenoma  
Hyperplasia, Cystic  
Adenoma, Nos  
Angiectasis

Pituitary gland

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_019

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cyst, Nos

Heart

Myocardium Nos

Inflammation, Chronic

Lung

Pigmentation, Nos

Uterus

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_020

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Focal Cellular Change

Heart

Myocardium Nos

Inflammation, Chronic

Lung

Hyperplasia, Adenomatous

Mammary gland

Cystic Ducts

Fibroadenoma

Mammary Lobule

Hyperplasia, Nos

Pituitary gland

Angiectasis

Thyroid

Hyperplasia, C Cell

Uterus

Endometrium

Adenoma, Nos

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_021

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Pancreas

Acinus

Atrophy, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_022

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Parathyroid gland		Adenoma, Nos
Pituitary gland		Adenoma, Nos
		Cyst, Nos
Unspecified		Lipoma
Uterus		Endometrial Stromal Sarcoma
	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_023

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Pituitary gland

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_024

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Mammary gland

Cortex Nos

Myocardium Nos

Accessory Structure

Focal Cellular Change

Inflammation, Chronic Focal

Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_025

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart  
Mammary gland  
Pituitary gland

Myocardium Nos

Inflammation, Chronic  
Cystic Ducts  
Angiectasis  
Carcinoma, Nos  
Hyperplasia, C Cell  
Carcinoma, Nos

---

Thyroid  
Zymbal gland

**PRIMARY CAUSE OF DEATH**

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_026

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Eye

Cataract

Heart

Myocardium Nos

Retinopathy

Kidney

Inflammation, Chronic

Mammary gland

Nephropathy

Pituitary gland

Cystic Ducts

Thyroid

Adenoma, Nos

Angiectasis

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

**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**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Focal Cellular Change
		Lymphocytic Inflammatory Infiltrate
Lung		Pigmentation, Nos
Pituitary gland		Hyperplasia, Focal
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_028

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Mammary gland

Pituitary gland

Spleen  
Unspecified  
Uterus

Multiple Organs Nos

Nephropathy  
Cystic Ducts  
Fibroadenoma  
Adenoma, Nos  
Angiectasis  
Cyst, Nos  
Hematopoiesis  
Leukemia, Mononuclear Cell  
Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

**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**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Lung

Inflammation, Granulomatous Focal

Pancreas

Acinus

Atrophy, Focal

Pituitary gland

Cyst, Multiple

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_030

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Moribund Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Liver  
Mammary gland  
Pituitary gland  
  
Thyroid

Nephropathy  
Cytoplasmic Vacuolization  
Cystic Ducts  
Adenoma, Nos  
Angiectasis  
C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

**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**

Adrenal gland

Kidney

Ovary

Uterus

Tubule

Endometrium

Cortical Adenoma

Pigmentation, Nos

Cystic Follicles

Endometrial Stromal Polyp

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

**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

Pigmentation, Nos

Liver

Pigmentation, Nos

Mammary gland

Cystic Ducts

Stomach

Submucosa

Edema, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_033

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart  
Mammary gland  
Pituitary gland

Myocardium Nos

Inflammation, Chronic  
Cystic Ducts  
Adenoma, Nos  
Angiectasis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_034

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Inflammation, Chronic

Unspecified

Fibroma

Uterus

Hemorrhage

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

**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**

Bone marrow

Hyperplasia, Reticulum Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_036

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Heart

Myocardium Nos

Inflammation, Chronic

Mammary gland

Fibroadenoma

Pituitary gland

Adenoma, Nos

Skin

Foot And Toe Nos

Hyperkeratosis

Uterus

Leiomyosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

**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**

Heart

Myocardium Nos

Inflammation, Chronic

Pituitary gland

Adenoma, Nos

Angiectasis

Unspecified

Abdominal Wall Nos

Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_038

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver  
Pituitary gland  
Skin  
Unspecified

Bile Duct  
  
Multiple Organs Nos

Hyperplasia, Nos  
Adenoma, Nos  
Keratoacanthoma  
Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_039

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Intestine Small

Lung

Mammary gland

Uterus

Myocardium Nos

Mesentery Nos

Endometrium

Cytoplasmic Vacuolization

Inflammation, Chronic

Steatitis

Pigmentation, Nos

Cystic Ducts

Endometrial Stromal Polyp

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_040

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortical Carcinoma

Heart

Myocardium Nos

Pigmentation, Nos

Mammary gland

Inflammation, Chronic

Cystic Ducts

Thyroid

Fibroadenoma

Uterus

Endometrium

Hyperplasia, C Cell

Hyperplasia, Cystic

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_041

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_042

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Bone

Skull

Carcinoma, Nos, Invasive

Brain

Hemorrhage

Heart

Myocardium Nos

Inflammation, Chronic

Liver

Cytoplasmic Vacuolization

Pituitary gland

Carcinoma, Nos

Stomach

Omentum Nos

Steatitis

Uterus

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_043

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_044

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Mesentery Nos

Steatitis

Ovary

Cystic Follicles

Pancreas

Acinus

Atrophy, Focal

Pituitary gland

Hyperplasia, Focal

Uterus

Broad Ligament

Steatitis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_045

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Pheochromocytoma

Mammary gland

Cystic Ducts

Fibroadenoma

Thyroid

C-Cell Adenoma

Uterus

Broad Ligament

Steatitis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_046

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Inflammation, Chronic

Mammary gland

Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_047

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Intestine Small	Mesentery Nos	Steatitis
Lung		Alveolar/Bronchiolar Adenoma
Mammary gland		Cystic Ducts
		Fibroadenoma
Pituitary gland		Adenoma, Nos
		Angiectasis
Thyroid		C-Cell Adenoma
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_048

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Cystic Ducts

Pituitary gland

Angiectasis

Unspecified

Carcinoma, Nos

Fibroma

Uterus

Multiple Organs Nos

Leukemia, Mononuclear Cell

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_049

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Liver

Inflammation, Granulomatous Focal

Mammary gland

Cystic Ducts

Pituitary gland

Adenoma, Nos

Angiectasis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54922

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC red 3

**CAS Number:** 2871-01-4

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

**Time Report Requested:** 11:59:01

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

**Lab:** NA

---

**ANIMAL ID:** 3\_050

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Heart

Kidney

Mammary gland

Thyroid

Myocardium Nos

Carcinoma, Nos

Inflammation, Chronic Suppurative

Inflammation, Chronic

Atrophy, Nos

Nephropathy

Tubular-Cell Adenoma

Cystic Ducts

Cyst, Thyroglossal Duct

Cystic Follicles

---

PRIMARY CAUSE OF DEATH

-

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