

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**C Number:** C04524

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Female

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_326

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney	Cortex	Pigmentation, Nos
Liver		Hepatocellular Carcinoma
Lung		Hepatocellular Carcinoma, Metastatic
Spleen		Hematopoiesis
		Leukemia, Undifferentiated

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_327

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:**

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

---

**OBSERVATIONS**

Liver	Bile Duct	Fibrosis, Focal Hepatocellular Carcinoma
Lung	Bile Duct	Hyperplasia, Focal Hepatocellular Carcinoma, Metastatic
Peritoneum		Hemoperitoneum

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_328

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

Kidney	Inflammation, Chronic Focal
Liver	Hepatocellular Carcinoma
Lung	Hepatocellular Carcinoma, Metastatic
Bronchus	Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_329

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Liver	Hepatocellular Carcinoma
Lung	Hepatocellular Carcinoma, Metastatic
Mammary gland	Papillary Carcinoma
Spleen	Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_330

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Liver

Lung

Hepatocellular Carcinoma

Hepatocellular Carcinoma, Metastatic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_331

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

Liver

Hepatocellular Carcinoma

Bile Duct

Hyperplasia, Nos

Lung

Necrosis, Coagulative

Hepatocellular Carcinoma, Metastatic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_332

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Liver	Hepatocellular Carcinoma
Lung	Hepatocellular Carcinoma, Metastatic
Ovary	Cyst, Parovarian

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_333

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Blood		Leukemia, Monocytic
Liver		Hepatocellular Carcinoma
Lymph node	Subscapular Lymph Node	Fibroadenocarcinoma, Metastatic
Mammary gland		Fibroadenocarcinoma
Spleen		Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_334

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Lung		Hepatocellular Carcinoma, Metastatic
	Bronchus	Hyperplasia, Lymphoid
Mammary gland		Adenoma, Nos
		Inflammation, Suppurative
		Necrosis, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_335

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Focal
Lung		Hepatocellular Carcinoma, Metastatic
Mammary gland		Adenocarcinoma, Nos
Uterus	Endometrium	Hyperplasia, Nos
	Endometrium	Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_336

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Liver

Lung

Hepatocellular Carcinoma

Hepatocellular Carcinoma, Metastatic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_337

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Lung		Hepatocellular Carcinoma, Metastatic
Unspecified	Base Of Tail	Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_338

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

Ear

Keratin-Pearl Formation

Liver

Squamous Cell Carcinoma

Spleen

Hepatocellular Carcinoma

Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_339

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Mammary gland		Adenocarcinoma, Nos
Stomach	Mucosa	Necrosis, Focal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_340

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:**

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

---

**OBSERVATIONS**

Ear	Canal	Sebaceous Adenoma
Liver		Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Carcinoma
		Hepatocellular Carcinoma, Metastatic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_341

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Liver

Lung

Unspecified

Hepatocellular Carcinoma

Hepatocellular Carcinoma, Metastatic

Keratoacanthoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_342

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:**

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

---

**OBSERVATIONS**

Liver

Bile Duct Adenoma  
Hepatocellular Carcinoma

Centrilobular

Necrosis, Nos  
Inflammation, Focal

Stomach

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_343

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Liver

Fibrosis, Focal

Lung

Hepatocellular Carcinoma

Hepatocellular Carcinoma, Metastatic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_344

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Liver

Lung

Hepatocellular Carcinoma

Hepatocellular Carcinoma, Metastatic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_345

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Ear

Liver

Lung

Squamous Cell Carcinoma

Hepatocellular Carcinoma

Hepatocellular Carcinoma, Metastatic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_346

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Uterus

Hepatocellular Carcinoma

Endometrial Stromal Polyp

Hemorrhage

Infection, Bacterial

Endometrium

Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_347

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:**

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

---

**OBSERVATIONS**

Eye	Retina	Degeneration, Nos Hyperemia
Liver		Hematopoiesis Hepatocellular Carcinoma
Mammary gland		Adenoma, Nos
Spleen		Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_348

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Lung		Hepatocellular Carcinoma, Metastatic
Unspecified	Thorax Nos	Hemothorax

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_349

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Liver

Lung

Hepatocellular Carcinoma

Hepatocellular Carcinoma, Metastatic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_350

**TRT#:** 1  
**DOSE:** 0

**SEX:** Female  
**DISP:**

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

---

**OBSERVATIONS**

Liver  
Lung  
Mammary gland

Bronchus

Hepatocellular Carcinoma  
Hyperplasia, Lymphoid  
Adenocarcinoma, Nos  
Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_051

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Moribund Sacrifice

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

---

**OBSERVATIONS**

Heart	Atrium	Thrombosis, Nos
Kidney	Convolutated Tubules	Degeneration, Hyaline
		Inflammation, Chronic Focal
	Convolutated Tubules	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
		Metamorphosis, Fatty
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Granulopoiesis
Unspecified	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type
Uterus	Endometrium	Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_052

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Blood vessel

Heart

Kidney

Lung

Pituitary gland

Spleen

Thyroid

Trachea

Pulmonary Artery Nos

Myocardium Nos

Bronchus

Angiectasis

Calcification, Medial

Fibrosis, Focal

Inflammation, Chronic Focal

Hyperplasia, Lymphoid

Angiectasis

Chromophobe Adenoma

Hematopoiesis

Hemosiderosis

Hyperplasia, C Cell

Inflammation, Chronic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_053

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Eye	Lens, Capsule	Degeneration, Nos
Kidney		Inflammation, Chronic
Lung	Bronchus	Hyperplasia, Lymphoid
Ovary		Cyst, Parovarian
Pituitary gland		Angiectasis
Spleen		Chromophobe Adenoma
Thyroid		Hematopoiesis
Trachea		Hemosiderosis
Uterus	Endometrium	Hyperplasia, C Cell
	Fallopian Tube	Inflammation, Chronic
		Inflammation, Suppurative
		Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_054

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Spleen

Trachea

Unspecified

Myocardium Nos

Pelvis

Pelvis

Bile Duct

Diaphragm Nos

Angiectasis

Fibrosis, Focal

Calcification, Focal

Transitional-Cell Carcinoma

Hyperplasia, Focal

Hematopoiesis

Hemosiderosis

Adenocarcinoma, Nos

Hernia, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_055

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

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**OBSERVATIONS**

Kidney		Inflammation, Chronic Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Ovary		Inflammation, Suppurative
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Chronic Focal
Urinary bladder		Transitional-Cell Carcinoma
Uterus	Fallopian Tube	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_056

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland		Angiectasis
Blood vessel	Pulmonary Artery Nos	Calcification, Medial
Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Chronic Focal
Uterus	Fallopian Tube	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_057

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Inflammation, Chronic Focal
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Pancreas		Ectopia
Pituitary gland	Islets	Islet-Cell Adenoma
		Angiectasis
Thyroid		Chromophobe Adenoma
Unspecified	Multiple Organs Nos	Hyperplasia, C Cell
Uterus	Endometrium	Lymphoma, Undifferentiated-Malignant Type
	Endometrium	Hyperplasia, Cystic
	Fallopian Tube	Inflammation, Suppurative
		Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_058

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Kidney		Inflammation, Chronic Focal
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Pancreas	Duct Nos	Hyperplasia, Focal
Spleen		Erythropoiesis
		Granulopoiesis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Chronic
Uterus		Adenocarcinoma, Nos
		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Cystic
	Endometrium	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_059

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

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**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Medial
Heart	Myocardium Nos	Fibrosis, Focal
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Kidney		Inflammation, Chronic Focal
Lung		Alveolar Macrophages
	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Preputial gland		Adenoma, Nos
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		C-Cell Adenoma
		Fibrosis

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_060

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

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

**OBSERVATIONS**

Adrenal gland		Pheochromocytoma
Bone marrow		Hyperplasia, Hematopoietic
Brain		Hemorrhage
Liver		Metamorphosis, Fatty
Lung	Bronchus	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Ovary		Cyst, Parovarian
Pituitary gland		Cyst, Hemorrhagic
		Hemorrhage
Unspecified	Multiple Organs Nos	Congestion, Nos
	Multiple Organs Nos	Jaundice, Nos
	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type
Uterus	Endometrium	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_061

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Eye		Cataract
Kidney		Inflammation, Chronic Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Ovary		Cyst, Parovarian
Pancreas	Duct Nos	Hyperplasia, Focal
Pituitary gland		Chromophobe Adenoma
Skin		Inflammation, Chronic Focal
		Ulcer, Focal
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Chronic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_062

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

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

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**OBSERVATIONS**

Adrenal gland  
Blood vessel

Cortex Nos  
Pulmonary Artery Nos  
Pulmonary Artery Nos

Metamorphosis, Fatty  
Calcification, Focal  
Thrombus, Organized

Kidney  
Liver

Tubule  
Bile Duct  
Centrilobular

Pigmentation, Nos  
Hyperplasia, Focal  
Metamorphosis, Fatty  
Pigmentation, Nos  
Thrombosis, Nos  
Inflammation, Suppurative

Uterus

Endometrium

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_063

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Heart		Endocarditis, Bacterial
Kidney	Pelvis	Calcification, Focal Pyelonephritis, Nos
Liver	Bile Duct	Hyperplasia, Focal Metamorphosis, Fatty
Lung		Alveolar/Bronchiolar Adenoma
Pancreas	Duct Nos	Hyperplasia, Focal
Pituitary gland		Hemorrhage
Unspecified	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type
Uterus	Fallopian Tube	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_064

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

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

**OBSERVATIONS**

Adrenal gland		Necrosis, Focal
Bone marrow		Hyperplasia, Hematopoietic
Heart	Myocardium Nos	Fibrosis, Focal
Kidney	Pelvis	Hyperplasia, Focal
Lung		Alveolar Macrophages
	Bronchus	Bronchiectasis
	Bronchus	Hyperplasia, Lymphoid
Mammary gland		Galactocele
Pancreas	Duct Nos	Hyperplasia, Focal
Pituitary gland		Angiectasis
Preputial gland		Adenoma, Nos
		Necrosis, Nos
Spleen		Hematopoiesis
Unspecified	Multiple Organs Nos	Congestion, Nos
	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_065

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Moribund Sacrifice

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

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**OBSERVATIONS**

Kidney  
Liver

Convoluted Tubules  
Bile Duct

Pituitary gland  
Thyroid

Unspecified

Multiple Organs Nos  
Multiple Organs Nos

Pigmentation, Nos  
Hyperplasia, Focal  
Metamorphosis, Fatty  
Hemosiderosis  
C-Cell Adenoma  
Hyperplasia, C Cell  
Jaundice, Nos  
Lymphoma, Undifferentiated-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_066

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

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

**OBSERVATIONS**

Bone marrow		Hyperplasia, Granulocytic
Kidney	Convolutated Tubules	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
		Metamorphosis, Fatty
	Centrilobular	Necrosis, Diffuse
Lung	Bronchus	Hyperplasia, Lymphoid
Ovary		Cyst, Parovarian
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Erythropoiesis
		Granulopoiesis
Uterus		Endometrial Stromal Polyp
	Endometrium	Inflammation, Suppurative
	Fallopian Tube	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_067

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

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**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Lung

Mammary gland

Ovary

Pituitary gland

Spleen

Trachea

Convoluted Tubules

Bile Duct

Bronchus

Angiectasis

Pigmentation, Nos

Hyperplasia, Focal

Hyperplasia, Lymphoid

Fibroadenoma

Cyst, Parovarian

Angiectasis

Chromophobe Adenoma

Hematopoiesis

Hemosiderosis

Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_068

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Moribund Sacrifice

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

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Inflammation, Chronic Focal
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Ovary		Cyst, Parovarian
Pancreas	Duct Nos	Hyperplasia, Focal
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Chronic Suppurative
Urinary bladder	Mucosa	Hemorrhage
Uterus	Endometrium	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_069

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Intestine Small  
Kidney  
Liver  
Lung  
Mammary gland

Peyers Patch

Bronchus

Ovary  
Pituitary gland

Spleen

Uterus

Endometrium

Hyperplasia, Nos  
Inflammation, Chronic Focal  
Neoplastic Nodule  
Hyperplasia, Lymphoid  
Fibroadenoma  
Galactocele  
Cyst, Nos  
Angiectasis  
Chromophobe Adenoma  
Hematopoiesis  
Hemosiderosis  
Endometrial Stromal Polyp  
Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_070

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland		Angiectasis
Bone marrow		Hyperplasia, Hematopoietic
Heart	Myocardium Nos	Fibrosis, Focal
Intestine Large	Colon	Nematodiasis
Kidney		Inflammation, Chronic Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Mammary gland		Galactocele
		Hyperplasia, Focal
Pancreas	Duct Nos	Hyperplasia, Focal
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type
Uterus	Fallopian Tube	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_071

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland		Hemorrhage
Kidney		Inflammation, Chronic Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
		Hyperplasia, Follicular Cell
Trachea		Inflammation, Focal
Uterus	Endometrium	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_072

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Moribund Sacrifice

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

**OBSERVATIONS**

Adrenal gland		Pigmentation, Nos
Blood vessel	Pulmonary Artery Nos	Calcification, Medial
Bone marrow		Hyperplasia, Hematopoietic
Kidney	Convolutated Tubules	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
		Metamorphosis, Fatty
Lung		Alveolar Macrophages
	Bronchus	Hyperplasia, Lymphoid
Pancreas		Edema, Nos
Pituitary gland		Angiectasis
		Chromophobe Adenoma
		Hemosiderosis
Unspecified	Multiple Organs Nos	Jaundice, Nos
	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type
Uterus	Fallopian Tube	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_073

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Moribund Sacrifice

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

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**OBSERVATIONS**

Brain	Midbrain Nos	Compression, Nos
Kidney		Inflammation, Chronic Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Trachea		Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C04524

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N,N'-Dicyclohexylthiourea

CAS Number: 1212-29-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:06:24

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_074

TRT#: 2  
DOSE: 0

SEX: Female  
DISP: Scheduled Sacrifice

DAY ON TEST:  
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Inflammation, Chronic Focal
Lung		Alveolar Macrophages
	Bronchus	Hyperplasia, Lymphoid
Lymph node	Mediastinal Lymph Node	Congestion, Nos
	Mediastinal Lymph Node	Hemosiderosis
Ovary		Cyst, Parovarian
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Trachea		Inflammation, Chronic
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Cystic
	Endometrium	Inflammation, Suppurative
	Fallopian Tube	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_075

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Medial
Eye		Cataract
Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Inflammation, Chronic Focal
Liver	Bile Duct	Hyperplasia, Focal
		Metamorphosis, Fatty
Lung		Edema, Nos
Pituitary gland	Bronchus	Hyperplasia, Lymphoid
		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Unspecified	Multiple Organs Nos	Congestion, Nos
Uterus	Fallopian Tube	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_076

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland		Congestion, Nos
Blood vessel	Pulmonary Artery Nos	Calcification, Medial
Bone marrow		Hyperplasia, Hematopoietic
Eye		Cataract
Kidney	Convolutated Tubules	Pigmentation, Nos
Lung		Alveolar Macrophages
	Bronchus	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Ovary		Cyst, Parovarian
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Nos
	Endometrium	Inflammation, Suppurative
	Fallopian Tube	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_077

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland		Congestion, Nos
Blood vessel	Pulmonary Artery Nos	Calcification, Medial
Eye		Cataract
Kidney	Pelvis	Calcification, Focal
		Inflammation, Chronic Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Pancreas	Duct Nos	Hyperplasia, Focal
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Trachea		Inflammation, Chronic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_078

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland		Congestion, Nos
Eye		Cataract
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Inflammation, Chronic Focal
Lung		Alveolar Macrophages
	Bronchus	Hyperplasia, Lymphoid
Lymph node	Mediastinal Lymph Node	Hemosiderosis
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Chronic
Uterus	Endometrium	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** N,N'-Dicyclohexylthiourea  
**CAS Number:** 1212-29-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:06:24  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_079

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney	Pelvis	Calcification, Focal Inflammation, Chronic Focal
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Mammary gland		Fibroma
Ovary		Cyst, Parovarian
Pituitary gland		Angiectasis Chromophobe Adenoma
Spleen		Hematopoiesis Hemosiderosis
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp Hyperplasia, Cystic Inflammation, Suppurative
	Endometrium	
	Endometrium	

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_080

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

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**OBSERVATIONS**

Adrenal gland		Congestion, Nos
Blood vessel	Pulmonary Artery Nos	Calcification, Medial
Brain	Midbrain Nos	Compression, Nos
Eye		Cataract
Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Inflammation, Chronic Focal
Liver	Bile Duct	Inflammation, Nos
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Unspecified	Diaphragm Nos	Hernia, Nos
	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_081

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

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**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Medial
Kidney	Convolutated Tubules	Pigmentation, Nos
Lung		Alveolar Macrophages
	Bronchus	Hyperplasia, Lymphoid
Mammary gland		Adenocarcinoma, Nos
		Fibroadenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Uterus		Hemosiderosis

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_082

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Inflammation, Chronic
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Chronic
Uterus	Endometrium	Inflammation, Suppurative
	Fallopian Tube	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_083

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

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**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Heart	Myocardium Nos	Fibrosis, Focal
Kidney	Cortex	Cyst, Nos
	Convolutated Tubules	Pigmentation, Nos
Lung	Bronchus	Hyperplasia, Lymphoid
Pancreas	Islets	Islet-Cell Adenoma
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Chronic
Unspecified	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type
Uterus		Endometrial Stromal Polyp
		Hydrometra

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_084

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Inflammation, Chronic Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
		Galactocele
Ovary		Cyst, Parovarian
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		C-Cell Adenoma
Trachea		Inflammation, Chronic Focal
Uterus	Fallopian Tube	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_085

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Liver

Lung

Spleen

Thyroid

Uterus

Endometrium

Inflammation, Interstitial

Cytoplasmic Change, Nos

Pneumonia, Chronic Murine

Hematopoiesis

Hemosiderosis

Hyperplasia, C Cell

Endometrial Stromal Polyp

Hyperplasia, Nos

Pyometra

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_086

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic Focal
Liver	Bile Duct	Hyperplasia, Focal
Lung		Alveolar Macrophages
	Bronchus	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
		Galactocele
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		C-Cell Adenoma
Trachea		Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_087

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Focal Metamorphosis, Fatty
Lung	Centrilobular Bronchus	Necrosis, Nos Hyperplasia, Lymphoid
Spleen		Fibrosis
Unspecified	Multiple Organs Nos Multiple Organs Nos	Congestion, Nos Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C04524

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N,N'-Dicyclohexylthiourea

CAS Number: 1212-29-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:06:24

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_088

TRT#: 2  
DOSE: 0

SEX: Female  
DISP: Scheduled Sacrifice

DAY ON TEST:  
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Kidney		Inflammation, Chronic Focal
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Mammary gland		Galactocele
	Mammary Lobule	Hyperplasia, Nos
Ovary		Cyst, Nos
Pancreas	Duct Nos	Hyperplasia, Focal
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Preputial gland		Adenoma, Nos
		Cyst, Nos
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Follicular-Cell Carcinoma
		Hyperplasia, C Cell
		Sclerosis
Trachea		Inflammation, Chronic
Uterus		Adenocarcinoma, Nos
	Endometrium	Hyperplasia, Focal
	Endometrium	Inflammation, Suppurative
	Fallopian Tube	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_089

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis, Focal
Kidney	Convolutd Tubules	Pigmentation, Nos
Liver	Hepatocytes	Degeneration, Nos
		Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
		Galactocele
Ovary		Cyst, Parovarian
Pituitary gland		Cyst, Nos
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Tongue		Squamous Cell Papilloma
Uterus	Endometrium	Inflammation, Suppurative
	Fallopian Tube	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_090

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Intestine Large	Colon	Nematodiasis
Kidney		Inflammation, Chronic Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Ovary		Cyst, Follicular Nos
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Chronic
Unspecified	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type
Uterus	Endometrium	Cyst, Nos
	Endometrium	Hyperplasia, Cystic
	Endometrium	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_091

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

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

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**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Medial
Heart	Myocardium Nos	Inflammation, Focal
Kidney	Convolutated Tubules	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Mammary gland		Adenocarcinoma, Nos
Spleen		Hematopoiesis
		Hemosiderosis
Unspecified	Multiple Organs Nos	Congestion, Nos
Uterus	Endometrium	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_092

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Kidney	Convoluted Tubules	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
		Metamorphosis, Fatty
Lung	Bronchus	Hyperplasia, Lymphoid
Ovary		Cyst, Parovarian
Trachea		Inflammation, Chronic Focal
Unspecified	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type
Uterus	Fallopian Tube	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_093

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Eye		Cataract
Kidney	Convolutated Tubules	Pigmentation, Nos
Lung		Alveolar Macrophages
		Hyperplasia, Adenomatous
	Bronchus	Hyperplasia, Lymphoid
Preputial gland		Adenoma, Nos
		Cyst, Nos
		Inflammation, Suppurative
		Necrosis, Nos
Spleen		Granulopoiesis
		Hematopoiesis
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Uterus	Fallopian Tube	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_094

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Eye		Cataract
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Kidney		Inflammation, Chronic Focal
Liver	Bile Duct	Hyperplasia, Focal
Lung		Alveolar Macrophages
		Hyperplasia, Alveolar Epithelium
	Bronchus	Hyperplasia, Lymphoid
Ovary		Cyst, Parovarian
Pituitary gland		Hemorrhage
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Cystic
	Endometrium	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_095

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

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**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Medial
Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Inflammation, Chronic Focal
Lung		Alveolar Macrophages
	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_096

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Medial
Eye		Cataract
Heart	Myocardium Nos	Inflammation, Focal
Kidney		Inflammation, Chronic Focal
Lung		Alveolar Macrophages
	Bronchus	Hyperplasia, Lymphoid
Ovary		Cyst, Parovarian
Pituitary gland		Hemorrhage
Preputial gland		Hyperplasia, Nos
		Inflammation, Suppurative
		Metaplasia, Squamous
		Necrosis, Nos
Spleen		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Focal
	Endometrium	Inflammation, Suppurative
	Fallopian Tube	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_097

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland		Hemorrhage
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung		Alveolar Macrophages
	Bronchus	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Uterus	Endometrium	Hyperplasia, Cystic
	Endometrium	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 2\_098

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland		Hemorrhage
Eye		Cataract
Kidney		Inflammation, Chronic Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Ovary		Cyst, Parovarian
Pancreas	Duct Nos	Hyperplasia, Focal
Pituitary gland		Congestion, Nos
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Chronic
Uterus	Endometrium	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_099

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Moribund Sacrifice

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

---

**OBSERVATIONS**

Ear  
Intestine Small

Canal  
Ileum  
Jejunum  
Convolutated Tubules

Kidney  
Liver  
Peritoneum  
Thyroid

Inflammation, Nos  
Adenocarcinoma, Nos  
Ulcer, Nos  
Pigmentation, Nos  
Metamorphosis, Fatty  
Inflammation, Focal  
Follicular-Cell Adenoma  
Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_100

**TRT#:** 2  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Eye		Cataract
Heart	Myocardium Nos Epicardium	Fibrosis, Focal Inflammation, Focal
Kidney		Inflammation, Chronic Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis Chromophobe Adenoma
Spleen		Hemorrhage Hematopoiesis
Thyroid		Hemosiderosis
Uterus		Hyperplasia, C Cell Hydrometra

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_151

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye		Cataract
Kidney	Cortex	Pigmentation, Nos
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_152

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood		Anemia, Nos
Bone marrow		Hyperplasia, Hematopoietic
Kidney	Cortex	Pigmentation, Nos
Lung		Pneumonia, Chronic Murine
Spleen		Granulopoiesis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Lymphocytic-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_153

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Pituitary gland

Spleen

Thyroid

Trachea

Myocardium Nos

Cortex

Bile Duct

Angiectasis

Inflammation, Interstitial

Pigmentation, Nos

Hyperplasia, Focal

Angiectasis

Chromophobe Adenoma

Hemosiderosis

Lymphoma, Undifferentiated-Malignant Type

Hyperplasia, C Cell

Hyperplasia, Follicular Cell

Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_154

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye		Cataract
Kidney	Tubule	Cast, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
		Pneumonia, Chronic Murine
Thyroid		Hyperplasia, C Cell
Trachea	Submucosa	Hyperplasia, Lymphoid
		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_155

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung		Alveolar Macrophages
	Bronchus	Hyperplasia, Lymphoid
Ovary		Cyst, Nos
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Uterus	Cervix Uteri	Hyperplasia, Stromal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_156

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung	Bronchus	Hyperplasia, Lymphoid
Skeletal muscle	Hip/Thigh	Atrophy, Nos
Spinal cord		Astrocytoma
Spleen		Hematopoiesis
		Hemosiderosis
Stomach	Cardiac Stomach	Necrosis, Focal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 3\_157

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Ganglioneuroma
Eye		Cataract
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Ovary		Cyst, Follicular Nos
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spinal cord		Cyst, Nos
Spleen		Hematopoiesis
		Hemosiderosis
Thymus		Hemosiderosis
Thyroid		Hyperplasia, C Cell
		Hyperplasia, Follicular Cell
Trachea		Inflammation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_158

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Bone marrow

Lung

Spleen

Thyroid

Trachea

Bronchus

Angiectasis

Hyperplasia, Hematopoietic

Alveolar/Bronchiolar Carcinoma

Hyperplasia, Lymphoid

Hematopoiesis

Hemosiderosis

Hyperplasia, C Cell

Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_159

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Eye

Kidney

Lung

Spleen

Thyroid

Trachea

Uterus

Cortex

Bronchus

Endometrium

Fallopian Tube

Angiectasis

Cataract

Pigmentation, Nos

Hyperplasia, Lymphoid

Hematopoiesis

Hemosiderosis

C-Cell Adenoma

Hyperplasia, C Cell

Inflammation, Nos

Inflammation, Suppurative

Inflammation, Suppurative

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_160

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Bone marrow

Heart

Kidney

Liver

Lung

Spleen

Myocardium Nos

Cortex

Hepatic Sinusoid

Angiectasis

Hyperplasia, Granulocytic

Fibrosis, Focal

Pigmentation, Nos

Congestion, Nos

Pneumonia, Chronic Murine

Hematopoiesis

Hyperplasia, Hematopoietic

Leukemoid Reaction

Congestion, Nos

Inflammation, Nos

Thymus

Trachea

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 3\_161

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Ear

Eye

Kidney

Liver

Pituitary gland

Spleen

Thyroid

Trachea

Canal

Cortex

Bile Duct

Angiectasis

Sebaceous Adenocarcinoma

Cataract

Pigmentation, Nos

Hyperplasia, Focal

Necrosis, Focal

Angiectasis

Chromophobe Adenoma

Hematopoiesis

Hemosiderosis

C-Cell Adenoma

Hyperplasia, C Cell

Inflammation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 3\_162

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Intestine Small

Peyers Patch

Hyperplasia, Lymphoid

Kidney

Cortex

Pigmentation, Nos

Liver

Bile Duct

Hyperplasia, Focal

Lung

Bronchus

Hyperplasia, Lymphoid

Pancreas

Duct Nos

Hyperplasia, Focal

Spleen

Hematopoiesis

Hemosiderosis

Thyroid

Hyperplasia, C Cell

Trachea

Inflammation, Nos

Uterus

Endometrial Stromal Polyp

Endometrium

Hyperplasia, Nos

Endometrium

Inflammation, Suppurative

Fallopian Tube

Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_163

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Brain

Eye

Kidney

Lung

Ovary

Pituitary gland

Spleen

Thyroid

Midbrain Nos

Cortex

Bronchus

Angiectasis

Compression, Nos

Cataract

Pigmentation, Nos

Hyperplasia, Lymphoid

Cyst, Nos

Angiectasis

Chromophobe Adenoma

Hematopoiesis

Hemosiderosis

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04524  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** N,N'-Dicyclohexylthiourea  
**CAS Number:** 1212-29-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:06:24  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_164

**TRT#:** 3  
**DOSE:** 25000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland		Angiectasis
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Kidney	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Spleen		Pneumonia, Chronic Murine
Thyroid		Hematopoiesis
Trachea		Hemosiderosis
Unspecified	Diaphragm Nos	Hyperplasia, C Cell
Uterus	Fallopian Tube	Hyperplasia, Follicular Cell
		Inflammation, Nos
		Metaplasia, Squamous
		Hernia, Nos
		Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_165

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain	Cerebellum Nos	Gliosis
Lung		Bronchopneumonia Suppurative
Spleen		Depletion, Lymphoid
		Hemosiderosis
Trachea		Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_166

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye		Cataract
Kidney	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 3\_167

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain	Midbrain Nos	Compression, Nos
Eye		Cataract
Kidney	Cortex	Pigmentation, Nos
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Skin		Ulcer, Focal
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Nos
Uterus	Fallopian Tube	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** N,N'-Dicyclohexylthiourea  
**CAS Number:** 1212-29-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:06:24  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_168

**TRT#:** 3  
**DOSE:** 25000 PPM

**SEX:** Female  
**DISP:** Moribund Sacrifice

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

**OBSERVATIONS**

Brain	Midbrain Nos	Compression, Nos
Eye		Cataract
Kidney	Cortex	Pigmentation, Nos
Lung	Bronchus	Hyperplasia, Lymphoid
Pancreas	Duct Nos	Hyperplasia, Focal
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Cystic Follicles
		Hyperplasia, C Cell
Trachea		Inflammation, Nos
Uterus		Endometrial Stromal Polyp
	Fallopian Tube	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_169

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung	Bronchopneumonia Suppurative
Spleen	Hemosiderosis

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 3\_170

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Eye

Kidney

Lung

Pituitary gland

Spleen

Thyroid

Uterus

Bronchus

Fallopian Tube

Angiectasis

Cataract

Inflammation, Chronic Focal

Hyperplasia, Lymphoid

Chromophobe Adenoma

Hematopoiesis

Hemosiderosis

Hyperplasia, C Cell

Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_171

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye		Cataract
Lung	Bronchus	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Erythropoiesis
		Granulopoiesis
Thyroid		Cystic Follicles
Uterus	Endometrium	Inflammation, Suppurative
		Leiomyosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_172

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Papilla

Calcium Deposit

Liver

Metamorphosis, Fatty

Lung

Inflammation, Suppurative

Spleen

Hematopoiesis

Thyroid

Hemosiderosis

Cyst, Ultimobranchial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_173

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Cortex

Pigmentation, Nos

Lung

Alveolar Macrophages

Spleen

Hematopoiesis

Hemosiderosis

Thyroid

Hyperplasia, C Cell

Hyperplasia, Follicular Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_174

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain		Dilatation, Nos
Kidney	Tubule	Cast, Nos
		Glomerulonephritis, Chronic
	Tubule	Pigmentation, Nos
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Trachea	Submucosa	Hyperplasia, Lymphoid
		Inflammation, Nos
Uterus	Endometrium	Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 3\_175

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye		Cataract
Kidney	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung		Alveolar Macrophages
		Bronchopneumonia Suppurative
	Bronchus	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Pituitary gland		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Uterus	Endometrium	Hyperplasia, Focal
	Endometrium	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_176

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye		Cataract
Kidney	Cortex	Pigmentation, Nos
Lung	Bronchus	Hyperplasia, Lymphoid
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Nos
Uterus	Endometrium	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_177

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain	Midbrain Nos	Compression, Nos
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Inflammation, Chronic Focal
Liver		Angiectasis
Lung	Bronchus	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
		Galactocele
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Trachea		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_178

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye		Cataract
Kidney	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
		Necrosis, Focal
Lung		Pneumonia, Chronic Murine
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Uterus	Endometrium	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 3\_179

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Angiectasis
Brain	Meninges	Lymphocytosis
Eye		Cataract
Heart	Atrium	Inflammation, Focal
Kidney	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung		Cytomegaly
Spleen	Bronchus	Hyperplasia, Lymphoid
		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Nos
Uterus	Endometrium	Inflammation, Suppurative
	Myometrium	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_180

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye		Cataract
Kidney	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Ovary		Cyst, Nos
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Nos
Uterus	Fallopian Tube	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_181

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Eye

Kidney

Liver

Lung

Pituitary gland

Spleen

Thyroid

Trachea

Bile Duct

Bronchus

Angiectasis

Cataract

Inflammation, Chronic Focal

Hyperplasia, Focal

Hyperplasia, Lymphoid

Angiectasis

Hematopoiesis

Hemosiderosis

Hyperplasia, C Cell

Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_182

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Kidney

Liver

Lung

Mammary gland

Spleen

Thyroid

Trachea

Cortex

Bile Duct

Bronchus

Cataract

Pigmentation, Nos

Hyperplasia, Focal

Hyperplasia, Lymphoid

Fibroadenoma

Hematopoiesis

Lymphoma, Undifferentiated-Malignant Type

Hyperplasia, C Cell

Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 3\_183

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain	Midbrain Nos	Compression, Nos
Kidney		Calcification, Focal
		Inflammation, Chronic Focal
Lung	Bronchus	Hyperplasia, Lymphoid
		Pneumonia, Chronic Murine
Ovary		Inflammation, Nos
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Stomach	Cardiac Stomach	Ulcer, Focal
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp
	Endometrium	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_184

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye		Cataract
Kidney	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
		Neoplastic Nodule
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Cystic Follicles
		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_185

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney	Pelvis	Calcification, Focal
	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Hemosiderosis
Spleen		Hematopoiesis
		Hemosiderosis
Unspecified		Lipoma
Uterus	Fallopian Tube	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_186

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Eye

Kidney

Lung

Pituitary gland

Spleen

Thyroid

Uterus

Cortex

Bronchus

Fallopian Tube

Angiectasis

Cataract

Pigmentation, Nos

Hyperplasia, Lymphoid

Angiectasis

Hematopoiesis

Hemosiderosis

Hyperplasia, C Cell

Inflammation, Suppurative

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 3\_187

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain	Midbrain Nos	Compression, Nos
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney	Cortex	Pigmentation, Nos
Liver		Hyperplasia, Reticulum Cell
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Nos
Uterus	Fallopian Tube	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_188

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Focal
Lung		Pneumonia, Interstitial Chronic
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Trachea		Hyperplasia, Lymphoid
	Submucosa	Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_189

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Ear

Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_190

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Eye

Kidney

Lung

Pituitary gland

Spleen

Thyroid

Trachea

Cortex

Bronchus

Angiectasis

Cataract

Pigmentation, Nos

Hyperplasia, Lymphoid

Angiectasis

Chromophobe Adenoma

Hematopoiesis

Hemosiderosis

Hyperplasia, C Cell

Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_191

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Lung

Pituitary gland

Spleen

Thyroid

Bile Duct

Bronchus

Angiectasis

Inflammation, Chronic Focal

Hyperplasia, Focal

Hyperplasia, Lymphoid

Angiectasis

Chromophobe Adenoma

Hematopoiesis

Hemosiderosis

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 3\_192

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Eye  
Kidney  
Liver  
Lung  
Ovary  
Preputial gland  
  
Spleen  
  
Thyroid  
Uterus

Cortex  
Bile Duct  
Bronchus  
  
  
  
  
  
Fallopian Tube

Angiectasis  
Cataract  
Pigmentation, Nos  
Hyperplasia, Focal  
Hyperplasia, Lymphoid  
Cyst, Nos  
Hyperplasia, Nos  
Inflammation, Suppurative  
Hematopoiesis  
Hemosiderosis  
Hyperplasia, C Cell  
Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 3\_193

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Angiectasis
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Ovary		Cyst, Nos
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		C-Cell Adenoma
Trachea		Inflammation, Nos
Uterus	Endometrium	Inflammation, Suppurative
	Fallopian Tube	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_194

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Eye

Kidney

Liver

Lung

Spleen

Cortex

Bile Duct

Alveoli

Cataract

Pigmentation, Nos

Hyperplasia, Focal

Edema, Nos

Hematopoiesis

Lymphoma, Undifferentiated-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_195

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Lung	Bronchus	Hyperplasia, Lymphoid Inflammation, Chronic Suppurative
Spleen		Hematopoiesis Hemosiderosis
Trachea		Hyperplasia, Lymphoid Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_196

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Eye

Kidney

Lung

Mammary gland

Pituitary gland

Spleen

Thyroid

Degeneration, Cytologic

Cataract

Inflammation, Chronic Focal

Hyperplasia, Lymphoid

Adenosis

Fibroadenoma

Angiectasis

Hematopoiesis

Hemosiderosis

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_197

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye		Cataract
Intestine Large	Colon	Nematodiasis
Kidney	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Ovary		Cyst, Nos
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
		Hyperplasia, Follicular Cell
Tongue		Acanthosis
		Hyperkeratosis

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** N,N'-Dicyclohexylthiourea  
**CAS Number:** 1212-29-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:06:24  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_198

**TRT#:** 3  
**DOSE:** 25000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Eye		Cataract
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Kidney		Inflammation, Chronic Focal
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Ovary		Cyst, Nos
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
		Hyperplasia, Follicular Cell
Trachea		Inflammation, Nos

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 3\_199

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Angiectasis
Brain	Midbrain Nos	Compression, Nos
Eye		Cataract
Kidney		Inflammation, Chronic Focal
Liver		Angiectasis
Lung	Bronchus	Hyperplasia, Lymphoid
		Pneumonia, Chronic Murine
Ovary		Cyst, Nos
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Cystic Follicles
		Hyperplasia, C Cell
		Hyperplasia, Follicular Cell
Uterus		Endometrial Stromal Polyp
	Fallopian Tube	Inflammation, Focal
		Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 3\_200

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 25000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Bone marrow

Congestion, Nos

Eye

Hyperplasia, Hematopoietic

Kidney

Cornea

Cataract

Liver

Cortex

Inflammation, Interstitial

Lung

Centrilobular

Pigmentation, Nos

Nasal cavity

Bronchus

Metamorphosis, Fatty

Pituitary gland

Hyperplasia, Lymphoid

Inflammation, Suppurative

Spleen

Angiectasis

Chromophobe Adenoma

Thyroid

Hematopoiesis

Hemosiderosis

Trachea

Hyperplasia, C Cell

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 4\_251

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye		Cataract
Intestine Large	Colon	Nematodiasis
Kidney	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_252

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye		Cataract
Kidney	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_253

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye		Cataract
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Kidney	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung		Alveolar/Bronchiolar Adenoma
	Bronchus	Hyperplasia, Lymphoid
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 4\_254

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Kidney

Pelvis

Liver

Lung

Bile Duct

Bronchus

Ovary

Pancreas

Pituitary gland

Spleen

Duct Nos

Thyroid

Trachea

Uterus

Fallopian Tube

Angiectasis

Calcification, Focal

Inflammation, Chronic Focal

Hyperplasia, Focal

Hyperplasia, Lymphoid

Pneumonia, Chronic Murine

Cyst, Nos

Hyperplasia, Focal

Angiectasis

Hematopoiesis

Hemosiderosis

Hyperplasia, C Cell

Lymphocytic Inflammatory Infiltrate

Inflammation, Nos

Inflammation, Suppurative

Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_255

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Eye

Intestine Small

Kidney

Liver

Lung

Spleen

Thyroid

Uterus

Peyers Patch

Cortex

Bile Duct

Bronchus

Fallopian Tube

Angiectasis

Cataract

Hyperplasia, Lymphoid

Pigmentation, Nos

Hyperplasia, Focal

Hyperplasia, Lymphoid

Hematopoiesis

Hemosiderosis

Hyperplasia, C Cell

Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 4\_256

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Blood vessel  
Kidney  
Lung  
Pituitary gland

Pulmonary Artery Nos

Cortex

Bronchus

Spleen

Thyroid

Uterus

Fallopian Tube

Angiectasis  
Calcification, Medial  
Pigmentation, Nos  
Hyperplasia, Lymphoid  
Angiectasis  
Chromophobe Adenoma  
Hematopoiesis  
Hemosiderosis  
Hyperplasia, C Cell  
Endometrial Stromal Polyp  
Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 4\_257

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Intestine Small  
Kidney  
Liver  
Lung  
Pituitary gland  
  
Spleen  
  
Thyroid

Peyers Patch  
Cortex  
Bile Duct  
Bronchus

Angiectasis  
Hyperplasia, Lymphoid  
Pigmentation, Nos  
Hyperplasia, Focal  
Hyperplasia, Lymphoid  
Angiectasis  
Chromophobe Adenoma  
Hematopoiesis  
Hemosiderosis  
Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 4\_258

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye		Cataract
Heart	Myocardium Nos	Fibrosis, Focal
Kidney	Cortex	Pigmentation, Nos
Lung	Bronchus	Hyperplasia, Lymphoid
Ovary		Cyst, Nos
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Trachea		Inflammation, Nos
Uterus		Endometrial Stromal Polyp
		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 4\_259

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Kidney	Pelvis	Calcification, Focal
	Cortex	Pigmentation, Nos
Lung	Bronchus	Hyperplasia, Lymphoid
Pancreas	Duct Nos	Hyperplasia, Focal
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 4\_260

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Kidney	Cortex	Pigmentation, Nos
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Chromophobe Adenoma
Preputial gland		Hyperplasia, Nos
Spleen		Inflammation, Nos
		Erythropoiesis
		Granulopoiesis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Nos
Uterus	Endometrium	Inflammation, Focal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 4\_261

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Brain	Midbrain Nos	Compression, Nos
Kidney	Pelvis	Calcification, Focal
	Cortex	Pigmentation, Nos
Lung	Bronchus	Hyperplasia, Lymphoid
Ovary		Sertoli-Cell Tumor
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Uterus		Endometrial Stromal Polyp
		Inflammation, Nos
	Endometrium	Necrosis, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 4\_262

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Ear

Kidney

Liver

Lung

Pituitary gland

Spleen

Thyroid

Trachea

Unspecified

Cortex

Bile Duct

Bronchus

Hyperplasia, Hematopoietic

Inflammation, Nos

Pigmentation, Nos

Hyperplasia, Focal

Hyperplasia, Lymphoid

Angiectasis

Chromophobe Adenoma

Hematopoiesis

Hemosiderosis

Lymphoma, Undifferentiated-Malignant Type

Hyperplasia, C Cell

Inflammation, Nos

Basal-Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_263

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye		Cataract
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Kidney	Pelvis	Calcification, Focal
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Pancreas	Duct Nos	Hyperplasia, Focal
Spleen		Lymphoma, Undifferentiated-Malignant Type
Thyroid		Follicular-Cell Carcinoma
		Hyperplasia, C Cell
Unspecified		Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_264

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Brain

Eye

Kidney

Lung

Mammary gland

Pituitary gland

Spleen

Midbrain Nos

Pelvis

Bronchus

Angiectasis

Astrocytoma

Cataract

Calcification, Focal

Hyperplasia, Lymphoid

Fibroadenoma

Angiectasis

Chromophobe Adenoma

Hematopoiesis

Hemosiderosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_265

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain	Midbrain Nos	Compression, Nos
Kidney	Pelvis	Calcification, Focal
	Cortex	Pigmentation, Nos
Liver		Focal Cellular Change
		Hyperplasia, Reticulum Cell
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
		Hyperplasia, Follicular Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_266

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye		Cataract
Kidney	Cortex	Pigmentation, Nos
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Erythropoiesis
		Granulopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Nos
Uterus		Endometrial Stromal Polyp
	Fallopian Tube	Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 4\_267

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Eye

Kidney

Liver

Lung

Pancreas

Spleen

Pelvis

Cortex

Bile Duct

Bronchus

Duct Nos

Thyroid

Trachea

Angiectasis

Cataract

Calcification, Focal

Pigmentation, Nos

Hyperplasia, Focal

Hyperplasia, Lymphoid

Hyperplasia, Focal

Granulopoiesis

Hematopoiesis

Hemosiderosis

Hyperplasia, Nos

Hyperplasia, C Cell

Hyperplasia, Follicular Cell

Inflammation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_268

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Eye

Kidney

Liver

Lung

Spleen

Thyroid

Trachea

Cortex

Bile Duct

Bronchus

Angiectasis

Cataract

Pigmentation, Nos

Hyperplasia, Focal

Hyperplasia, Lymphoid

Hematopoiesis

Hemosiderosis

Hyperplasia, C Cell

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 4\_269

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Eye

Kidney

Liver

Lung

Spleen

Thyroid

Uterus

Cortex

Bile Duct

Bronchus

Endometrium

Endometrium

Angiectasis

Cataract

Pigmentation, Nos

Hyperplasia, Focal

Hyperplasia, Lymphoid

Hematopoiesis

Hemosiderosis

Hyperplasia, C Cell

Hyperplasia, Focal

Inflammation, Nos

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 4\_270

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye		Cataract
Kidney	Cortex	Pigmentation, Nos
Liver		Metamorphosis, Fatty
Lung	Bronchus	Hyperplasia, Lymphoid
Lymph node	Mediastinal Lymph Node	Fibrosarcoma, Metastatic
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		C-Cell Adenoma
Unspecified	Ear	Fibrosarcoma
	Shoulder	Fibrosarcoma
Uterus	Fallopian Tube	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 4\_271

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Medial
Eye		Cataract
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney	Pelvis	Calcification, Focal
	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Ovary		Cyst, Nos
Pancreas	Duct Nos	Hyperplasia, Focal
Pituitary gland		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Cystic Follicles
Trachea		Inflammation, Nos
Uterus		Endometrial Stromal Polyp
	Endometrium	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 4\_272

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Heart

Intestine Small

Kidney

Lung

Spleen

Thyroid

Trachea

Uterus

Myocardium Nos

Myocardium Nos

Peyers Patch

Cortex

Bronchus

Hyperplasia, Hematopoietic

Fibrosis, Focal

Inflammation, Interstitial

Hyperplasia, Lymphoid

Pigmentation, Nos

Hyperplasia, Lymphoid

Pneumonia, Chronic Murine

Erythropoiesis

Granulopoiesis

Hyperplasia, C Cell

Inflammation, Nos

Endometrial Stromal Polyp

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 4\_273

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Eye		Cataract
Heart	Myocardium Nos	Fibrosis, Focal
Kidney	Cortex	Pigmentation, Nos
Liver		Hematopoiesis
Lung	Bronchus	Hyperplasia, Lymphoid
Spleen		Erythropoiesis
		Granulopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Nos
Uterus		Endometrial Stromal Polyp
	Endometrium	Inflammation, Nos
		Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_274

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain	Midbrain Nos	Compression, Nos
Eye		Cataract
Kidney	Cortex	Pigmentation, Nos
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Trachea		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 4\_275

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Kidney	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Uterus	Endometrium	Inflammation, Suppurative
	Fallopian Tube	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 4\_276

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Medial
Ear		Inflammation, Nos
Eye		Cataract
Kidney	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Trachea		Inflammation, 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:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 4\_277

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye		Cataract
Kidney	Cortex	Pigmentation, Nos
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hemosiderosis
Trachea		Inflammation, Nos
Uterus	Fallopian Tube	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 4\_278

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Angiectasis
Blood vessel	Pulmonary Artery Nos	Calcification, Medial
Eye		Cataract
Heart	Myocardium Nos	Inflammation, Suppurative
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Kidney	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Ovary		Cyst, Nos
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Uterus	Endometrium	Hyperplasia, Cystic
	Endometrium	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_279

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Rectum

Inflammation, Nos

Rectum

Prolapse

Rectum

Ulcer, Nos

Lung

Bronchus

Hyperplasia, Lymphoid

Pneumonia, Chronic Murine

Spleen

Hematopoiesis

Thyroid

Hyperplasia, C Cell

Trachea

Inflammation, Nos

Uterus

Endometrial Stromal Polyp

Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 4\_280

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Eye

Kidney

Liver

Lung

Pituitary gland

Spleen

Thyroid

Trachea

Uterus

Pelvis

Cortex

Bronchus

Fallopian Tube

Fallopian Tube

Angiectasis

Cataract

Calcification, Focal

Pigmentation, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Focal

Angiectasis

Chromophobe Adenoma

Lymphoma, Undifferentiated-Malignant Type

Hyperplasia, C Cell

Hyperplasia, Follicular Cell

Inflammation, Nos

Inflammation, Nos

Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_281

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain	Midbrain Nos	Compression, Nos
Heart	Myocardium Nos	Fibrosis, Focal
Kidney	Pelvis	Calcification, Focal
		Inflammation, Chronic Focal
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Trachea		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_282

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow		Hyperplasia, Granulocytic
Ear		Inflammation, Nos
Eye		Cataract
Heart	Myocardium Nos	Fibrosis, Focal
Kidney	Cortex	Pigmentation, Nos
Lung	Bronchus	Hyperplasia, Lymphoid
Pancreas	Duct Nos	Hyperplasia, Focal
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Stomach	Cardiac Stomach	Ulcer, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Undifferentiated
Uterus	Fallopian Tube	Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_283

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye		Cataract
Kidney	Pelvis	Calcification, Focal
	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Uterus	Endometrium	Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_284

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye		Cataract
Kidney		Calcification, Focal
	Cortex	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Cystic
Lung	Bronchus	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		C-Cell Adenoma
Uterus		Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_285

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Pelvis

Calcification, Focal

Liver

Cortex

Pigmentation, Nos

Lung

Bile Duct

Hyperplasia, Focal

Ovary

Bronchus

Hyperplasia, Lymphoid

Thyroid

Cyst, Nos

Uterus

Endometrium

C-Cell Adenoma

Hyperplasia, Cystic

Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 4\_286

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Angiectasis
Brain	Midbrain Nos	Compression, Nos
Eye		Cataract
Kidney	Pelvis	Calcification, Focal
	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Uterus	Endometrium	Inflammation, Suppurative
	Fallopian Tube	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_287

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney	Pelvis	Calcification, Focal
	Cortex	Pigmentation, Nos
Lung		Alveolar/Bronchiolar Carcinoma
	Bronchus	Hyperplasia, Lymphoid
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_288

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Ear	Canal	Fibrosis
	Canal	Squamous Cell Carcinoma
Heart	Myocardium Nos	Fibrosis, Focal
Kidney	Pelvis	Calcification, Focal
	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Follicular-Cell Carcinoma
		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_289

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye		Cataract
Heart	Myocardium Nos	Fibrosis, Focal
Kidney	Pelvis	Calcification, Focal
	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Cystic Follicles
		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 4\_290

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney	Tubule	Cast, Nos Nephropathy
Liver	Hepatocytes	Nodule
Lung		Edema, Nos Inflammation, Suppurative
Pituitary gland		Chromophobe Adenoma
Spleen		Hemosiderosis
Trachea	Submucosa	Hyperplasia, Lymphoid Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_291

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Kidney

Liver

Trachea

Unspecified

Pelvis

Cortex

Bile Duct

Multiple Organs Nos

Hyperplasia, Hematopoietic

Calcification, Focal

Pigmentation, Nos

Hyperplasia, Focal

Metamorphosis, Fatty

Inflammation, Nos

Lymphoma, Undifferentiated-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 4\_292

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye

Kidney

Liver

Ovary

Pituitary gland

Spleen

Thyroid

Uterus

Cortex

Bile Duct

Endometrium

Cataract

Pigmentation, Nos

Hyperplasia, Focal

Cyst, Nos

Angiectasis

Chromophobe Adenoma

Hematopoiesis

Hemosiderosis

Lymphoma, Undifferentiated-Malignant Type

Hyperplasia, C Cell

Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_293

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Blood vessel

Kidney

Lung

Spleen

Thyroid

Trachea

Uterus

Pulmonary Artery Nos

Cortex

Bronchus

Endometrium

Angiectasis

Calcification, Medial

Pigmentation, Nos

Hyperplasia, Lymphoid

Hematopoiesis

Hemosiderosis

Follicular-Cell Carcinoma

Inflammation, Nos

Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

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**ANIMAL ID:** 4\_294

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Pituitary gland

Spleen

Chromophobe Adenoma

Hematopoiesis

Hemosiderosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 4\_295

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Lung

Ovary

Pituitary gland

Spleen

Thyroid

Trachea

Uterus

Pelvis

Cortex

Bile Duct

Bronchus

Angiectasis

Calcification, Focal

Pigmentation, Nos

Hyperplasia, Focal

Hyperplasia, Lymphoid

Cyst, Nos

Angiectasis

Chromophobe Adenoma

Hematopoiesis

Hemosiderosis

C-Cell Adenoma

Hyperplasia, C Cell

Inflammation, Nos

Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_296

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Pelvis

Calcification, Focal

Lung

Cortex

Pigmentation, Nos

Spleen

Bronchus

Hyperplasia, Lymphoid

Thyroid

Hematopoiesis

Uterus

Fallopian Tube

Hemosiderosis

Hyperplasia, C Cell

Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_297

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney

Pelvis

Calcification, Focal

Liver

Cortex

Pigmentation, Nos

Lung

Bile Duct

Hyperplasia, Nos

Spleen

Inflammation, Suppurative

Hematopoiesis

Thyroid

Hemosiderosis

Trachea

Hyperplasia, Follicular Cell

Metaplasia, Squamous

Squamous Cell Carcinoma

Unspecified

Multiple Organs Nos

Congestion, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

**ANIMAL ID:** 4\_298

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye		Cataract
Heart	Myocardium Nos	Fibrosis, Focal
Kidney	Pelvis	Calcification, Focal
	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
		Neoplastic Nodule
Lung	Bronchus	Hyperplasia, Lymphoid
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type
Uterus	Endometrium	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04524  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** N,N'-Dicyclohexylthiourea  
**CAS Number:** 1212-29-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:06:24  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_299

**TRT#:** 4  
**DOSE:** 50000 PPM

**SEX:** Female  
**DISP:** Natural Death

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

**OBSERVATIONS**

Adrenal gland		Hemorrhage Pheochromocytoma
Bone marrow		Hyperplasia, Hematopoietic
Heart	Myocardium Nos Epicardium	Fibrosis, Focal Inflammation, Focal
Kidney		Inflammation, Chronic Focal
Liver	Centrilobular	Congestion, Nos Necrosis, Nos
Lung		Bronchopneumonia, Nos
Ovary		Cyst, Nos
Pancreas	Duct Nos	Hyperplasia, Focal
Pituitary gland		Angiectasis Chromophobe Adenoma
Spleen		Hematopoiesis Hemosiderosis
Thyroid		C-Cell Adenoma
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04524

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** N,N'-Dicyclohexylthiourea

**CAS Number:** 1212-29-9

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

**Time Report Requested:** 12:06:24

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

**Lab:** NA

---

**ANIMAL ID:** 4\_300

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 50000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye		Cataract
Kidney	Pelvis	Calcification, Focal
	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Pancreas	Duct Nos	Hyperplasia, Focal
Spleen		Hematopoiesis
		Hemosiderosis
Thyroid		Hyperplasia, C Cell
		Hyperplasia, Follicular Cell
Trachea		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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

\* PROTOCOL REQUIRED TISSUE