

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

**C Number:** C00431  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Female

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_001

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

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

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

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**OBSERVATIONS**

Kidney  
Lung

Inflammation, Chronic  
Abscess, Nos  
Pneumonia, Chronic Murine  
Fibroadenoma  
Hyperplasia, C Cell

Mammary gland  
Thyroid

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_002

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

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

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

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**OBSERVATIONS**

Adrenal gland  
Kidney

Cortex Nos

Degeneration, Nos  
Inflammation, Chronic  
Mineralization

Liver

Bile Duct  
Bile Duct

Hyperplasia, Nos  
Inflammation, Nos  
Pneumonia, Chronic Murine  
Hyperplasia, C Cell

Lung  
Thyroid

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_003

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

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

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

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**OBSERVATIONS**

Adrenal gland

Cortex Nos  
Cortex Nos

Degeneration, Nos  
Hyperplasia, Nos

Liver

Hepatocytes

Hyperplasia, Nos

Lung

Pneumonia, Chronic Murine

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_004

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

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

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

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**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Pneumonia, Chronic Murine

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_005

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

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

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

**OBSERVATIONS**

Esophagus		Ulcer, Nos
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
	Hepatocytes	Necrosis, Nos
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Mammary gland		Fibroadenoma
Spleen		Hematopoiesis
Stomach		Inflammation, Nos
		Ulcer, Focal
Thyroid		Follicular-Cell Adenoma
Unspecified	Abdominal Cavity	Fibrosarcoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_006

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

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

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

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis  
Degeneration, Nos  
Pneumonia, Chronic Murine  
Hydrometra

Lung

Uterus

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_007

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

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

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

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Kidney

Degeneration, Nos

Lung

Alveolar Wall

Inflammation, Chronic

Epithelialization

Mammary gland

Pneumonia, Chronic Murine

Pituitary gland

Galactocele

Cyst, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_008

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

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

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

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Nos
Kidney		Congestion, Nos
		Inflammation, Chronic
Liver		Congestion, Nos
Lung		Congestion, Nos
		Pneumonia, Chronic Murine

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_009

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

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

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

**OBSERVATIONS**

Kidney		Congestion, Nos Inflammation, Chronic
Liver	Hepatocytes	Focal Cellular Change Hemangiosarcoma
Lung		Cyst, Nos
Ovary		Inflammation, Chronic
Salivary gland		Inflammation, Chronic
Uterus	Fallopian Tube	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_010

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

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

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

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis  
Degeneration, Nos  
Inflammation, Chronic  
Hyperplasia, Focal  
Pneumonia, Chronic Murine  
Hyperplasia, Chromophobe Cell  
Hydrometra

Kidney

Liver

Lung

Pituitary gland

Uterus

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_011

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

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

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

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Hepatocytes	Hyperplasia, Nos
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Mammary gland		Adenocarcinoma, Nos
		Fibroadenoma
Pituitary gland		Chromophobe Adenoma
Uterus	Endometrium	Hyperplasia, Nos
	Endometrium	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_012

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

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

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

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**OBSERVATIONS**

Adrenal gland  
Kidney  
Lung  
Pituitary gland  
Unspecified

Abdominal Cavity

Angiectasis  
Inflammation, Chronic  
Pneumonia, Chronic Murine  
Chromophobe Adenoma  
Necrosis, Fat

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_013

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

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

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

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**OBSERVATIONS**

Kidney		Congestion, Nos
Liver		Congestion, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung	Bronchus	Abscess, Nos
		Pneumonia, Chronic Murine

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_014

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

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

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

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Kidney

Degeneration, Nos

Liver

Bile Duct

Inflammation, Chronic

Lung

Hyperplasia, Nos

Pituitary gland

Pneumonia, Chronic Murine

Uterus

Chromophobe Adenoma

Endometrium

Cyst, Hemorrhagic

Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_015

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

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

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

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Liver

Degeneration, Nos

Lung

Bronchus

Congestion, Nos

Abscess, Nos

Unspecified

Pneumonia, Chronic Murine

Fibroma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_016

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

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

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

---

**OBSERVATIONS**

Adrenal gland

Angiectasis

Lung

Congestion, Nos

Pneumonia, Chronic Murine

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_017

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

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

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

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**OBSERVATIONS**

Adrenal gland  
Heart  
Liver

Cortex Nos  
Myocardium Nos  
Centrilobular

Degeneration, Nos  
Inflammation, Diffuse  
Metamorphosis, Fatty  
Necrosis, Nos  
Chromophobe Adenoma  
Hematopoiesis  
Ulcer, Focal

Pituitary gland  
Spleen  
Stomach

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_018

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

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

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

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**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver  
Lung  
Ovary  
Pituitary gland

Cortex Nos

Degeneration, Nos  
Hamartoma  
Metamorphosis, Fatty  
Pneumonia, Chronic Murine  
Granulosa-Cell Tumor  
Hyperplasia, Chromophobe Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_019

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

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

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

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Kidney

Degeneration, Nos

Liver

Hepatocytes

Inflammation, Chronic

Lung

Hyperplasia, Nos

Pituitary gland

Pneumonia, Chronic Murine

Chromophobe Adenoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_020

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

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

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

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Kidney

Degeneration, Nos

Lung

Inflammation, Chronic

Mammary gland

Pneumonia, Chronic Murine

Uterus

Fibroadenoma

Hydrometra

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_001

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Kidney

Degeneration, Nos

Lung

Congestion, Nos

Stomach

Pneumonia, Chronic Murine

Unspecified

Mucosa

Hemorrhage

Multiple Organs Nos

Ulcer, Nos

Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_002

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

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**OBSERVATIONS**

Heart	Endocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Pneumonia, Chronic Murine
Stomach		Acanthosis
		Hyperkeratosis
Uterus		Hydrometra

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**PRIMARY CAUSE OF DEATH** -

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_003

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

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**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Pituitary gland		Hyperplasia, Chromophobe Cell

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_004

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

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**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Pneumonia, Chronic Murine
Ovary		Granulosa-Cell Tumor
Pituitary gland		Chromophobe Adenoma
Unspecified	Groin	Fibroma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_007

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Adrenal gland  
Kidney

Cortex Nos

Degeneration, Nos  
Congestion, Nos  
Inflammation, Chronic  
Mixed Tumor, Malignant

Liver  
Lung

Bronchus

Necrosis, Focal  
Abscess, Nos  
Congestion, Nos  
Pneumonia, Chronic Murine  
Hyperplasia, Chromophobe Cell

Pituitary gland

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_008

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Liver

Lung

Mammary gland

Cortex Nos

Bile Duct

Bile Duct

Angiectasis

Cortical Adenoma

Degeneration, Nos

Hyperplasia, Nos

Inflammation, Nos

Metamorphosis, Fatty

Pneumonia, Chronic Murine

Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_009

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Liver	Bile Duct	Dilatation, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Mammary gland		Fibroadenoma
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_010

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
		Metamorphosis, Fatty
Lung		Pneumonia, Chronic Murine
Pituitary gland		Cyst, Hemorrhagic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_011

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

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**OBSERVATIONS**

Kidney		Congestion, Nos
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Nasal cavity		Inflammation, Suppurative
Skin	Head	Squamous Cell Carcinoma
Stomach		Acanthosis
		Hyperkeratosis

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_012

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Kidney	Cortex	Cyst, Nos Inflammation, Chronic
Liver		Neoplastic Nodule
Lung		Pneumonia, Chronic Murine
Mammary gland		Adenocarcinoma, Nos
Ovary		Cyst, Follicular Nos
Pituitary gland		Hyperplasia, Chromophobe Cell
Thyroid		Follicular-Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_013

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Liver

Bile Duct

Degeneration, Nos

Lung

Hyperplasia, Nos

Stomach

Pneumonia, Chronic Murine

Acanthosis

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_014

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Intestine Large	Large Intestine, Colon	Nematodiasis
Kidney		Congestion, Nos
Lung		Pneumonia, Chronic Murine
Unspecified	Axilla	Fibroma

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_015

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Liver

Lung

Mammary gland

Ovary

Bile Duct

Angiectasis  
Degeneration, Nos  
Hyperplasia, Nos  
Pneumonia, Chronic Murine  
Adenocarcinoma, Nos  
Fibroadenoma  
Cyst, Parovarian

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_016

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Lung		Pneumonia, Chronic Murine
Spleen		Hemangiosarcoma
Unspecified	Groin	Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_017

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Adrenal gland  
Kidney

Liver  
Lung  
Lymph node  
Pancreas  
Stomach

Bile Duct

Mesenteric Lymph Node

Angiectasis  
Congestion, Nos  
Inflammation, Chronic  
Hyperplasia, Nos  
Pneumonia, Chronic Murine  
Hemangiosarcoma  
Periarteritis  
Acanthosis  
Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_018

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Nos
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Pneumonia, Chronic Murine
Thyroid		Follicular-Cell Carcinoma
Uterus		Hydrometra

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**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_019

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Heart  
Intestine Small  
Kidney

Liver  
Lung

Preputial gland

Myocardium Nos  
Mesentery Nos  
Pelvis

Atrophy, Nos  
Cortical Carcinoma  
Fibrosis  
Periarteritis  
Calculus, Unknown Gross Or Micro  
Inflammation, Chronic  
Cortical Carcinoma, Metastatic  
Congestion, Nos  
Pneumonia, Chronic Murine  
Carcinoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_020

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Lung

Mammary gland

Pituitary gland

Spleen

Stomach

Pelvis

Bile Duct

Angiectasis

Degeneration, Nos

Congestion, Nos

Inflammation, Nos

Inflammation, Nos

Pneumonia, Chronic Murine

Adenocarcinoma, Nos

Chromophobe Adenoma

Hematopoiesis

Hemorrhage

Ulcer, Focal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_021

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Nos
Liver	Hepatocytes	Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Abscess, Nos
		Pneumonia, Chronic Murine
Mammary gland		Adenocarcinoma, Nos
		Fibroadenoma
Pituitary gland		Cyst, Nos
Spleen		Hematopoiesis

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_023

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland  
Lung

Cortex Nos

Degeneration, Nos  
Congestion, Nos  
Pneumonia, Chronic Murine

Mammary gland  
Uterus

Endometrium

Adenocarcinoma, Nos  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_024

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Adrenal gland

Heart

Intestine Large

Kidney

Liver

Lung

Mammary gland

Pituitary gland

Unspecified

Uterus

Cortex Nos

Endocardium Nos

Large Intestine, Colon

Endometrium

Angiectasis

Degeneration, Nos

Fibrosis

Nematodiasis

Congestion, Nos

Inflammation, Chronic

Metamorphosis, Fatty

Congestion, Nos

Pneumonia, Chronic Murine

Fibroadenoma

Chromophobe Adenoma

Fibrosarcoma

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_025

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

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**OBSERVATIONS**

Kidney		Hamartoma
		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Thyroid		C-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_026

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Angiectasis
	Cortex Nos	Degeneration, Nos
Kidney		Congestion, Nos
		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Uterus	Endometrium	Hyperplasia, Cystic
	Endometrium	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_028

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Nos
Kidney	Pelvis	Inflammation, Nos
Liver		Hematopoiesis
Lung		Pneumonia, Chronic Murine
Mammary gland		Adenocarcinoma, Nos
Pituitary gland		Chromophobe Adenoma
Spleen		Hematopoiesis
Stomach		Ulcer, Nos

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**PRIMARY CAUSE OF DEATH** -

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_029

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Pneumonia, Chronic Murine
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_030

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Nos
Kidney		Congestion, Nos
Liver		Congestion, Nos
Lung		Adenocarcinoma, Nos, Metastatic
Mammary gland		Adenocarcinoma, Nos
Spleen		Hematopoiesis

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_031

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Adrenal gland  
Intestine Large  
Kidney  
Lung

Cortex Nos  
Large Intestine, Colon

Atrophy, Nos  
Nematodiasis  
Inflammation, Chronic  
Congestion, Nos  
Pneumonia, Chronic Murine  
Hemangiosarcoma  
Fibroadenoma  
Hyperplasia, Cystic  
Inflammation, Nos

Lymph node  
Mammary gland  
Uterus

Mesenteric Lymph Node  
Endometrium  
Endometrium

PRIMARY CAUSE OF DEATH

-



**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_032

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Adrenal gland

Heart  
Kidney  
Liver  
Lung

Mammary gland  
Pituitary gland  
Thyroid

Cortex Nos  
Myocardium Nos

Angiectasis  
Cortical Adenoma  
Degeneration, Nos  
Fibrosis  
Inflammation, Chronic  
Congestion, Nos  
Congestion, Nos  
Pneumonia, Chronic Murine  
Fibroadenoma  
Chromophobe Adenoma  
Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_034

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

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**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_036

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Angiectasis
	Cortex Nos	Degeneration, Nos
Kidney		Inflammation, Chronic
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Mammary gland		Adenocarcinoma, Nos
		Fibroadenoma
Thyroid		Hyperplasia, C Cell
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_037

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Lung

Mammary gland

Cortex Nos

Angiectasis  
Cortical Carcinoma  
Degeneration, Nos  
Congestion, Nos  
Pneumonia, Chronic Murine  
Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_038

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Kidney

Congestion, Nos  
Inflammation, Chronic

Liver

Congestion, Nos

Lung

Pneumonia, Chronic Murine

Mammary gland

Adenocarcinoma, Nos

Spleen

Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_040

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Kidney		Congestion, Nos
	Pelvis	Inflammation, Nos
Lung		Pneumonia, Chronic Murine
Mammary gland		Adenocarcinoma, Nos
		Fibroadenoma
Pituitary gland		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:41  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_041

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Kidney	Congestion, Nos
Liver	Congestion, Nos
Lung	Congestion, Nos
	Pneumonia, Chronic Murine
Mammary gland	Adenocarcinoma, Nos
	Necrosis, Nos
Spleen	Hematopoiesis
Stomach	Ulcer, Nos
Uterus	Endometrial Stromal Polyp
	Inflammation, Suppurative
	Endometrium

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_042

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis  
Degeneration, Nos  
Pneumonia, Chronic Murine

Lung

Mammary gland

Thyroid

Uterus

Endometrium

Fibroadenoma  
Hyperplasia, C Cell  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-



**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_043

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_044

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Liver	Metamorphosis, Fatty
Lung	Congestion, Nos
	Pneumonia, Chronic Murine
Mammary gland	Fibroadenoma
Pituitary gland	Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_045

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Liver	Bile Duct	Congestion, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Congestion, Nos
		Fibrosarcoma, Metastatic
		Pneumonia, Chronic Murine
Nasal cavity		Inflammation, Nos
Pituitary gland		Chromophobe Adenoma
Unspecified		Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_046

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis, Diffuse
	Myocardium Nos	Inflammation, Nos
Kidney		Mixed Tumor, Malignant
Liver		Metamorphosis, Fatty
Lung		Congestion, Nos
		Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_047

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Lung

Mammary gland

Bile Duct

Bile Duct

Angiectasis  
Degeneration, Nos  
Congestion, Nos  
Inflammation, Chronic  
Hyperplasia, Nos  
Inflammation, Nos  
Pneumonia, Chronic Murine  
Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_048

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Kidney  
Lung

Congestion, Nos  
Congestion, Nos  
Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_049

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Adrenal gland

Heart

Intestine Large

Kidney

Liver

Lung

Mammary gland

Thyroid

Cortex Nos  
Myocardium Nos  
Large Intestine, Colon

Pelvis  
Bile Duct  
Bile Duct

Angiectasis  
Degeneration, Nos  
Fibrosis  
Nematodiasis  
Congestion, Nos  
Inflammation, Nos  
Hyperplasia, Nos  
Inflammation, Nos  
Congestion, Nos  
Pneumonia, Chronic Murine  
Adenocarcinoma, Nos  
Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_001

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Stomach

Ulcer, Nos

Unspecified

Multiple Organs Nos

Leukemia, Granulocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_002

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland  
  
Intestine Small  
Pancreas

Cortex Nos  
Mesentery Nos

Angiectasis  
Degeneration, Nos  
Periarteritis  
Atrophy, Nos  
Periarteritis

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_003

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Mammary gland

Fibroadenoma

Salivary gland

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_004

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Ovary		Cyst, Nos
Spleen		Hematopoiesis
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_005

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubular-Cell Adenocarcinoma

Lung

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_006

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland  
Liver  
Lung  
Mammary gland  
Pituitary gland  
Spleen

Bile Duct

Pheochromocytoma  
Inflammation, Nos  
Pneumonia, Chronic Murine  
Adenocarcinoma, Nos  
Cyst, Hemorrhagic  
Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_007

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Mammary gland

Pituitary gland

Thyroid

Unspecified

Uterus

Angiectasis

Degeneration, Nos

Fibroadenoma

Cyst, Hemorrhagic

C-Cell Carcinoma

Follicular-Cell Carcinoma

Fibrous Histiocytoma, Malignant

Endometrial Stromal Polyp

Hemangiosarcoma

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_008

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Heart	Endocardium Nos	Inflammation, Nos
	Myocardium Nos	Inflammation, Nos
Skin	Ear	Fibrosarcoma
Uterus		Thrombus, Organized

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_009

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung  
Mammary gland

Pneumonia, Chronic Murine  
Adenocarcinoma, Nos  
Fibroadenoma

Pituitary gland  
Spleen

Chromophobe Adenoma  
Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_011

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Pituitary gland  
Stomach

Chromophobe Adenoma  
Acanthosis  
Hyperkeratosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_012

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung	Adenocarcinoma, Nos, Metastatic
	Pneumonia, Chronic Murine
Mammary gland	Adenocarcinoma, Nos
Spleen	Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_013

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Pituitary gland		Chromophobe Adenoma
Thyroid		C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_014

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Heart  
Intestine Large  
Lung  
Mammary gland  
Spleen

Myocardium Nos  
Large Intestine, Colon

Degeneration, Nos  
Nematodiasis  
Pneumonia, Chronic Murine  
Fibroadenoma  
Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_016

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_017

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Mammary gland

Degeneration, Nos

Adenocarcinoma, Nos

Pituitary gland

Fibroadenoma

Chromophobe Adenoma

Spleen

Hematopoiesis

Unspecified

Abscess, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_018

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Mammary gland  
Spleen

Adenocarcinoma, Nos  
Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_019

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung  
Thyroid

Pneumonia, Chronic Murine  
Hyperplasia, Follicular Cell

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_020

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung  
Pituitary gland  
Stomach

Congestion, Nos  
Chromophobe Adenoma  
Ulcer, Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_021

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Kidney

Lung

Angiectasis

Degeneration, Nos

Inflammation, Chronic

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_022

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Stomach

Acanthosis

Thyroid

Hyperkeratosis

Uterus

C-Cell Carcinoma

Endometrium

Hydrometra

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_023

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_024

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Bone marrow  
Ovary  
Thyroid

Cortical Carcinoma  
Metamorphosis, Fatty  
Inflammation, Nos  
C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_025

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Thyroid

Hyperplasia, Follicular Cell

Uterus

Hydrometra

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_026

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung  
Mammary gland

Inflammation, Chronic  
Pneumonia, Chronic Murine  
Adenocarcinoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_028

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Heart  
Kidney  
Lung  
Mammary gland

Endocardium Nos

Hyperplasia, Nos  
Inflammation, Chronic  
Pneumonia, Chronic Murine  
Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_029

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Adenocarcinoma, Nos, Metastatic

Mammary gland

Fibrosarcoma, Metastatic

Adenocarcinoma, Nos

---

PRIMARY CAUSE OF DEATH

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_030

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung  
Mammary gland  
Pituitary gland

Pneumonia, Chronic Murine  
Adenocarcinoma, Nos  
Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_032

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Mammary gland

Degeneration, Nos

Spleen

Adenocarcinoma, Nos

Uterus

Hematopoiesis

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_033

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung  
Pituitary gland

Pneumonia, Chronic Murine  
Cyst, Hemorrhagic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_034

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

**OBSERVATIONS**

Esophagus		Carcinoma, Nos, Metastatic
Kidney		Carcinoma, Nos, Metastatic
		Nephrosis, Hydro
Liver		Carcinoma, Nos, Metastatic
Lung		Carcinoma, Nos, Metastatic
Pancreas		Carcinoma, Nos, Metastatic
Spleen		Carcinoma, Nos, Metastatic
Stomach		Carcinoma, Nos
Unspecified	Diaphragm Nos	Carcinoma, Nos, Metastatic
Urinary bladder		Carcinoma, Nos, Metastatic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_035

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung  
Mammary gland  
Pituitary gland  
Spleen

Pneumonia, Chronic Murine  
Fibroadenoma  
Chromophobe Adenoma  
Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_036

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung  
Pituitary gland  
Unspecified

Pneumonia, Chronic Murine  
Chromophobe Adenoma  
Abscess, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_037

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Lung

Degeneration, Nos

Mammary gland

Pneumonia, Chronic Murine

Spleen

Fibroadenoma

Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_038

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis  
Degeneration, Nos  
Inflammation, Chronic  
Pneumonia, Chronic Murine  
Fibroadenoma  
Chromophobe Adenoma  
Endometrial Stromal Polyp

Kidney

Lung

Mammary gland

Pituitary gland

Uterus

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_039

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Liver

Bile Duct

Degeneration, Nos

Bile Duct

Hyperplasia, Nos

Lung

Inflammation, Nos

Uterus

Pneumonia, Chronic Murine

Endometrial Stromal Polyp

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_041

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos Neoplastic Nodule
Lung		Pneumonia, Chronic Murine
Mammary gland		Adenocarcinoma, Nos
Stomach		Acanthosis Hyperkeratosis
Thyroid		C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_042

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Lung  
Pituitary gland  
Thyroid  
Uterus

Angiectasis  
Inflammation, Chronic  
Pneumonia, Chronic Murine  
Chromophobe Adenoma  
Follicular-Cell Adenoma  
Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_043

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver  
Lung  
Mammary gland  
Uterus

Bile Duct

Hyperplasia, Nos  
Pneumonia, Chronic Murine  
Fibroadenoma  
Hydrometra

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_044

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Angiectasis
		Degeneration, Nos
Blood vessel	Aorta Nos	Arteriosclerosis, Nos
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Periarteritis
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Pancreas		Calcium Deposit
		Periarteritis
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Cyst, Hemorrhagic
Stomach		Calcium Deposit

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_045

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Intestine Small  
Lung  
Uterus

Mesentery Nos

Endometrial Stromal Sarcoma, Metastatic  
Pneumonia, Chronic Murine  
Endometrial Stromal Sarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_046

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Fibroadenoma
Spleen		Hemangiosarcoma
Thyroid		Follicular-Cell Carcinoma
Uterus		Endometrial Stromal Polyp
		Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_047

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

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**OBSERVATIONS**

Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Unspecified	Back	Lipoma
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_048

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Lung  
Mammary gland  
Ovary  
Stomach

Pneumonia, Chronic Murine  
Adenocarcinoma, Nos  
Cyst, Nos  
Hyperkeratosis

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_049

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Carcinoma, Nos, Metastatic
Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Large Intestine, Colon	Carcinoma, Nos, Metastatic
Intestine Small	Ileum	Carcinoma, Nos, Metastatic
Lung		Carcinoma, Nos, Metastatic
Lymph node	Cervical Lymph Node Nos	Carcinoma, Nos, Metastatic
	Mesenteric Lymph Node	Carcinoma, Nos, Metastatic
Ovary		Carcinoma, Nos, Metastatic
Pancreas		Carcinoma, Nos, Metastatic
Stomach		Carcinoma, Nos
Uterus		Carcinoma, Nos, Metastatic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:41:42  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_050

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

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**OBSERVATIONS**

Intestine Large  
Intestine Small  
Kidney  
Lung  
Ovary  
Pancreas  
Skeletal muscle  
Unspecified

Large Intestine, Colon  
Mesentery Nos  
  
  
  
  
  
Groin

Nematodiasis  
Periarteritis  
Inflammation, Chronic  
Pneumonia, Chronic Murine  
Cyst, Nos  
Periarteritis  
Inflammation, Nos  
Abscess, Nos

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**PRIMARY CAUSE OF DEATH**

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