

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

**C Number:** C54546

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Female

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Atrium	Thrombus, Mural
Lung		Alveolar/Bronchiolar Adenoma
Unspecified	Multiple Organs Nos	Amyloidosis

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

**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**

Kidney

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Pyelonephritis, Acute

Amyloidosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_007

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis, Diffuse
Liver	Bile Duct	Cyst, Nos
Lung		Alveolar/Bronchiolar Adenoma
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_008

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Skin

Uterus

Endometrium

Glomerulosclerosis, Nos

Cyst, Multilocular

Hyperkeratosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_009

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart

Ovary

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Fibrosis, Diffuse

Cyst, Hemorrhagic

Amyloidosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_010

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Moribund Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic
		Leiomyosarcoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_011

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart

Unspecified

Multiple Organs Nos

Fibrosis, Diffuse

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung		Bronchopneumonia, Acute
Unspecified	Multiple Organs Nos	Amyloidosis

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Ileum, Ileum

Amyloidosis

Kidney

Inflammation, Chronic Diffuse

Lymph node

Hyperplasia, Plasma Cell

Spleen

Erythropoiesis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Esophagus

Intestine Small

Kidney

Liver

Ileum, Ileum

Inflammation, Acute

Amyloidosis

Glomerulonephritis, Acute

Necrosis, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_016

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Moribund Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Spleen

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Erythropoiesis

Amyloidosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_019

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Moribund Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Spleen

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Erythropoiesis

Lymphoma, Nos-Malignant

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lymph node

Mandibular Lymph Node

Hyperplasia, Plasma Cell

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_021

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Lymph node

Pancreatic Lymph Node

Hyperplasia, Plasma Cell

Thymus

Lymphoma, Nos-Malignant

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lymph node

Mesenteric Lymph Node

Hemorrhage

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis, Diffuse
Lymph node	Mesenteric Lymph Node	Hyperplasia, Plasma Cell
Spleen		Erythropoiesis
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_025

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart

Lung

Unspecified

Uterus

Bronchus

Multiple Organs Nos

Endometrium

Fibrosis, Diffuse

Inflammation, Chronic

Amyloidosis

Cyst, Nos

Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Jejunum

Amyloidosis

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**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_029

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma
Spleen		Erythropoiesis
Unspecified	Multiple Organs Nos	Amyloidosis

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**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_030

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Moribund Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma
Ovary		Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_031

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Spleen

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Lymphoma, Nos-Malignant

Amyloidosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_032

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Moribund Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Lymph node

Spleen

Hyperplasia, Plasma Cell

Erythropoiesis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Calcification, Nos

Spleen

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_034

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lymph node

Unspecified

Multiple Organs Nos

Pyelonephritis, Acute

Hyperplasia, Plasma Cell

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_035

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Uterine Artery

Inflammation, Acute

Heart

Atrium

Thrombus, Mural

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_036

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Moribund Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Gall bladder

Lung

Ovary

Spleen

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Inflammation, Acute

Alveolar/Bronchiolar Carcinoma

Cyst, Nos

Erythropoiesis

Amyloidosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_037

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Skin

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Inflammation, Chronic

Amyloidosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

Multiple Organs Nos

Hemangiosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_039

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Pyelonephritis, Chronic

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_042

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart

Ovary

Unspecified

Multiple Organs Nos

Fibrosis, Diffuse

Cyst, Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_045

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Spleen

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Hematopoiesis

Amyloidosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_046

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Lung

Unspecified

Multiple Organs Nos

Alveolar/Bronchiolar Adenoma

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_048

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lymph node

Mandibular Lymph Node

Hyperplasia, Plasma Cell

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_049

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis, Diffuse
Lung		Alveolar/Bronchiolar Adenoma
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
Spleen		Erythropoiesis
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 1\_050

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

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

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

---

**OBSERVATIONS**

Heart

Atrium

Thrombus, Mural

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_001

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

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

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

---

**OBSERVATIONS**

Kidney		Pyelonephritis, Chronic
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_002

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_003

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

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

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

---

**OBSERVATIONS**

Lymph node

Mesenteric Lymph Node

Hyperplasia, Lymphoid

Mediastinal Lymph Node

Thrombus, Canalized

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_004

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

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

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

---

**OBSERVATIONS**

Liver		Necrosis, Focal
Lung		Alveolar/Bronchiolar Adenoma
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_005

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

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

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

---

**OBSERVATIONS**

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_006

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

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

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

---

**OBSERVATIONS**

Unspecified  
Uterus

Multiple Organs Nos  
Endometrium

Amyloidosis  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_007

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

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

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

---

**OBSERVATIONS**

Kidney	Cortex	Cyst, Nos
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_008

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

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

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

---

**OBSERVATIONS**

Mammary gland

Ovary

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Adenocarcinoma, Nos

Cyst, Nos

Amyloidosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_010

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

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

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

---

**OBSERVATIONS**

Heart	Atrium	Thrombus, Mural
Intestine Large	Colon	Nematodiasis
Ovary		Cyst, Nos
Thyroid		Cystic Follicles
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_011

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

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

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

---

**OBSERVATIONS**

Spleen  
Unspecified

Multiple Organs Nos

Erythropoiesis  
Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_012

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

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

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

---

**OBSERVATIONS**

Blood vessel  
Heart  
Lung

Pulmonary Artery Nos

Calcification, Nos  
Fibrosis, Diffuse  
Alveolar/Bronchiolar Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_013

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

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

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

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_014

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

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

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

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma
Spleen		Erythropoiesis
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus		Hydrometra

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_015

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

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

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

---

**OBSERVATIONS**

Unspecified  
Uterus

Multiple Organs Nos  
Endometrium

Amyloidosis  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_016

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

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

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

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_017

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

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

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

---

**OBSERVATIONS**

Unspecified  
Uterus

Multiple Organs Nos  
Endometrium

Amyloidosis  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_018

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

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

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

---

**OBSERVATIONS**

Lymph node  
Unspecified  
Uterus

Mediastinal Lymph Node  
Multiple Organs Nos  
  
Endometrium

Hyperplasia, Lymphoid  
Amyloidosis  
Hemorrhage  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_019

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

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

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

---

**OBSERVATIONS**

Intestine Large  
Unspecified  
Uterus

Colon  
Multiple Organs Nos  
Endometrium

Inflammation, Acute Focal  
Amyloidosis  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_020

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Unspecified

Uterus

Multiple Organs Nos

Multiple Organs Nos

Endometrium

Hematopoiesis

Amyloidosis

Lymphoma, Histiocytic-Malignant Type

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_021

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

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

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

---

**OBSERVATIONS**

Unspecified  
Uterus

Multiple Organs Nos  
Endometrium

Amyloidosis  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_022

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

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

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

---

**OBSERVATIONS**

Heart	Atrium	Thrombus, Mural
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_023

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

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

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

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_024

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

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

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

---

**OBSERVATIONS**

Heart		Fibrosis, Diffuse
Kidney		Pyelonephritis, Chronic
Skin		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_025

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

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

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

---

**OBSERVATIONS**

Kidney

Inclusion, Nuclear

Lung

Inflammation, Chronic

Lymph node

Alveolar/Bronchiolar Adenoma

Unspecified

Mandibular Lymph Node

Hyperplasia, Plasma Cell

Uterus

Multiple Organs Nos

Amyloidosis

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_026

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

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

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

---

**OBSERVATIONS**

Ovary

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Cyst, Nos

Amyloidosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_027

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

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

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

---

**OBSERVATIONS**

Heart		Fibrosis, Diffuse
Intestine Small	Ileum, Ileum	Amyloidosis
Lung		Alveolar/Bronchiolar Adenoma
	Bronchiole	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_028

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

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

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

---

**OBSERVATIONS**

Heart

Unspecified

Uterus

Atrium

Multiple Organs Nos

Endometrium

Fibrosis, Diffuse

Thrombus, Mural

Amyloidosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_029

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

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

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

---

**OBSERVATIONS**

Kidney

Unspecified

Multiple Organs Nos

Pyelonephritis, Chronic

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_030

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

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

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

---

**OBSERVATIONS**

Unspecified  
Uterus

Multiple Organs Nos  
Endometrium

Amyloidosis  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_031

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

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

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

---

**OBSERVATIONS**

Unspecified  
Uterus

Multiple Organs Nos  
Endometrium

Amyloidosis  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_032

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

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

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

---

**OBSERVATIONS**

Ovary

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Cyst, Nos

Amyloidosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_033

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Acute Focal
Unspecified	Multiple Organs Nos	Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_034

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

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

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

---

**OBSERVATIONS**

Unspecified  
Uterus

Multiple Organs Nos  
Endometrium

Amyloidosis  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_035

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

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

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

---

**OBSERVATIONS**

Spleen		Hematopoiesis
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_036

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

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

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

---

**OBSERVATIONS**

Lung	Bronchiole	Inflammation, Focal
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_037

**TRT#:** 2

**DOSE:** 0

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Liver		Necrosis, Nos
Ovary		Granulosa-Cell Tumor
Spleen		Erythropoiesis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_038

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

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

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

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_039

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

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

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

---

**OBSERVATIONS**

Spleen	
Unspecified	Multiple Organs Nos
Uterus	Endometrium

Erythropoiesis  
Amyloidosis  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_040

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

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

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

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Acute Necrotizing
Unspecified	Multiple Organs Nos	Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_041

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

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

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

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_042

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

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

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

---

**OBSERVATIONS**

Lymph node  
Unspecified  
Uterus

Mesenteric Lymph Node  
Multiple Organs Nos  
Endometrium

Congestion, Nos  
Amyloidosis  
Hyperplasia, Cystic  
Thrombosis, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_043

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

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

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

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma
Lymph node	Mesenteric Lymph Node	Congestion, Nos
Spleen		Erythropoiesis
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus		Leiomyosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_044

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

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

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

---

**OBSERVATIONS**

Heart	Pericardium Nos	Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Inflammation, Acute
Thyroid		Cystic Follicles
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_045

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

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

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

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma
Unspecified	Multiple Organs Nos	Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_046

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Amyloidosis

Ovary

Lymphoma, Nos-Malignant

Uterus

Endometrium

Cyst, Nos

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_047

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

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

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

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

Multiple Organs Nos

Lymphoma, Nos-Malignant

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_048

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

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

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

---

**OBSERVATIONS**

Intestine Large  
Unspecified  
Uterus

Colon  
Multiple Organs Nos  
Endometrium

Nematodiasis  
Amyloidosis  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 2\_049

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

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

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

---

**OBSERVATIONS**

Unspecified  
Uterus

Multiple Organs Nos  
Endometrium

Amyloidosis  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_001

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_002

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Endocarditis, Bacterial
Skin		Acanthosis
		Parakeratosis
Spleen		Hematopoiesis
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546  
**Test Type:** Long-Term  
**Route:** Topical Application  
**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun  
**CAS Number:** EMTDP-74

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:47:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_003

**TRT#:** 3  
**DOSE:** 025.0 %

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

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

---

**OBSERVATIONS**

Heart		Fibrosis, Diffuse
	Atrium	Thrombus, Mural
Lung		Alveolar/Bronchiolar Adenoma
Spleen		Erythropoiesis
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_004

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Skin

Inflammation, Chronic

Alveolar/Bronchiolar Adenoma

Acanthosis

Hyperkeratosis

Parakeratosis

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_005

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Skin

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Endocarditis, Bacterial

Acanthosis

Hyperkeratosis

Amyloidosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_006

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Skin

Acanthosis

Hyperkeratosis

Parakeratosis

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_007

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_008

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Thrombosis, Nos

Spleen

Erythropoiesis

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Fallopian Tube

Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_009

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546  
**Test Type:** Long-Term  
**Route:** Topical Application  
**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun  
**CAS Number:** EMTDP-74

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:47:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_010

**TRT#:** 3  
**DOSE:** 025.0 %

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

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

---

**OBSERVATIONS**

Intestine Small  
Skin

Ileum, Ileum

Amyloidosis  
Acanthosis  
Hyperkeratosis  
Parakeratosis  
Hyperplasia, Cystic  
Inflammation, Suppurative

Uterus

Endometrium  
Endometrium

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_011

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Heart

Kidney

Lung

Ovary

Unspecified

Multiple Organs Nos

Granulopoiesis

Fibrosis, Diffuse

Pyelonephritis, Suppurative

Alveolar/Bronchiolar Adenoma

Hemorrhage

Thrombosis, Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_012

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver

Pituitary gland

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Cyst, Nos

Adenoma, Nos

Amyloidosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_013

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Skin

Fibrosis, Diffuse

Acanthosis

Hyperkeratosis

Epidermis

Inflammation, Acute

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_014

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_015

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Uterine Artery

Necrosis, Fibrinoid

Heart

Pulmonary Artery Nos

Thrombosis, Nos

Skin

Atrium

Thrombus, Mural

Acanthosis

Hyperkeratosis

Parakeratosis

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_016

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Unspecified

Multiple Organs Nos

Pheochromocytoma

Endocarditis, Bacterial

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_017

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Ovary

Cyst, Nos

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546  
**Test Type:** Long-Term  
**Route:** Topical Application  
**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun  
**CAS Number:** EMTDP-74

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:47:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_018

**TRT#:** 3  
**DOSE:** 025.0 %

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

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

**OBSERVATIONS**

Blood vessel  
Ovary  
Skin

Uterine Artery

Necrosis, Fibrinoid  
Cyst, Hemorrhagic  
Acanthosis  
Hyperkeratosis  
Inflammation, Acute  
Amyloidosis  
Hyperplasia, Cystic

Unspecified  
Uterus

Epidermis  
Multiple Organs Nos  
Endometrium

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_019

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Ovary

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Cyst, Hemorrhagic

Amyloidosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_020

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma
Ovary		Cyst, Nos
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_021

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma
Skin		Acanthosis
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_022

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Skin

Acanthosis

Unspecified

Multiple Organs Nos

Hyperkeratosis

Abdominal Cavity

Amyloidosis

Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_023

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Mammary gland

Skin

Spleen

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Adenocarcinoma, Nos

Acanthosis

Hemangioma

Amyloidosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_024

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Skin	Epidermis	Inflammation, Focal
Unspecified	Multiple Organs Nos	Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_025

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma
Ovary		Cyst, Nos
Spleen		Erythropoiesis
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_026

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Skin

Acanthosis

Unspecified

Hyperkeratosis

Uterus

Multiple Organs Nos

Lymphoma, Nos-Malignant

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_027

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_028

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Skin

Acanthosis

Unspecified

Hyperkeratosis

Uterus

Multiple Organs Nos

Amyloidosis

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_029

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Ileum, Ileum

Amyloidosis

Skin

Acanthosis

Hyperkeratosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_030

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_031

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Skin

Acanthosis

Parakeratosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546  
**Test Type:** Long-Term  
**Route:** Topical Application  
**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun  
**CAS Number:** EMTDP-74

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:47:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_032

**TRT#:** 3  
**DOSE:** 025.0 %

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

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

**OBSERVATIONS**

Ovary		Cyst, Hemorrhagic
Pancreas		Dilatation, Ducts
		Inflammation, Chronic
Spleen		Erythropoiesis
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_033

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

Multiple Organs Nos

Lymphoma, Nos-Malignant

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_034

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis, Diffuse
Lung		Alveolar/Bronchiolar Adenoma
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus		Hemorrhage
	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_035

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver		Cyst, Nos
Ovary		Papillary Cystadenoma, Nos
Stomach		Inflammation, Chronic
		Metaplasia, Squamous
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_036

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung

Alveolar/Bronchiolar Adenoma

Skin

Epidermis

Inflammation, Acute Focal

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_037

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_038

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_039

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_040

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546  
**Test Type:** Long-Term  
**Route:** Topical Application  
**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun  
**CAS Number:** EMTDP-74

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:47:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_041

**TRT#:** 3  
**DOSE:** 025.0 %

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

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

**OBSERVATIONS**

Liver	Bile Duct	Cyst, Nos
Skin		Acanthosis
		Hyperkeratosis
	Epidermis	Inflammation, Acute
		Parakeratosis
Spleen		Erythropoiesis
Unspecified	Multiple Organs Nos	Amyloidosis
		Neurofibrosarcoma
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_042

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma
Ovary		Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_043

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Fibrosis, Diffuse

Intestine Small

Ileum, Ileum

Amyloidosis

Liver

Necrosis, Nos

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_045

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Esophagus

Periesophageal Tissue

Inflammation, Acute

Kidney

Cortex

Scar

Skin

Acanthosis

Hyperkeratosis

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_046

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Skin

Acanthosis

Unspecified

Hyperkeratosis

Uterus

Multiple Organs Nos

Amyloidosis

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_047

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_048

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Skin

Acanthosis

Unspecified

Hyperkeratosis

Uterus

Multiple Organs Nos

Amyloidosis

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_049

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large  
Skin

Colon

Nematodiasis  
Acanthosis  
Hyperkeratosis

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 3\_050

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 025.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Ovary

Skin

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Cyst, Nos

Acanthosis

Hyperkeratosis

Amyloidosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546  
**Test Type:** Long-Term  
**Route:** Topical Application  
**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun  
**CAS Number:** EMTDP-74

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:47:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_001

**TRT#:** 4  
**DOSE:** 050.0 %

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

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

**OBSERVATIONS**

Heart	Atrium	Thrombus, Mural
Kidney		Glomerulosclerosis, Nos
	Cortex	Scar
Ovary		Cyst, Nos
Skin		Acanthosis
		Hyperkeratosis
		Inflammation, Acute
	Epidermis	Inflammation, Nos
		Parakeratosis
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 4\_002

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Ileum, Ileum

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:58

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

**Lab:** NA

---

**ANIMAL ID:** 4\_003

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Skin

Acanthosis

Unspecified

Hyperkeratosis

Uterus

Multiple Organs Nos

Amyloidosis

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_004

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma
Ovary		Cyst, Nos
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_005

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Skin

Acanthosis

Hyperkeratosis

Epidermis

Inflammation, Focal

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_006

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_007

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Stomach

Mucosa

Calcification, Nos

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_008

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Skin

Acanthosis

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_009

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Skin

Acanthosis

Hyperkeratosis

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_010

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma
Ovary		Cyst, Hemorrhagic
Skin		Acanthosis
		Hyperkeratosis
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_011

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma
Ovary		Cyst, Nos
Unspecified	Multiple Organs Nos	Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_012

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Necrosis, Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_013

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Pancreas

Peripancreatic Tissue

Necrosis, Fat

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_014

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Atrium

Thrombus, Mural

Skin

Acanthosis

Hyperkeratosis

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_015

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Ovary

Skin

Fibrosis, Diffuse

Cyst, Nos

Acanthosis

Hyperkeratosis

Uterus

Epidermis

Endometrium

Inflammation, Focal

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_016

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Skin

Acanthosis

Hyperkeratosis

Epidermis

Inflammation, Focal

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_017

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Vein Nos

Thrombosis, Nos

Heart

Pericardium Nos

Inflammation, Fibrinous

Lung

Abscess, Nos

Ovary

Cyst, Nos

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_018

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Ovary

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Pheochromocytoma

Fibrosis, Diffuse

Cyst, Nos

Amyloidosis

Angiectasis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_019

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Vein Nos

Thrombosis, Nos

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Leiomyosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_020

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Skin

Epidermis

Inflammation, Focal

Squamous Cell Papilloma

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_021

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Pancreas

Skin

Inflammation, Acute

Acanthosis

Hyperkeratosis

Unspecified

Uterus

Epidermis

Multiple Organs Nos

Endometrium

Inflammation, Acute

Amyloidosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546  
**Test Type:** Long-Term  
**Route:** Topical Application  
**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun  
**CAS Number:** EMTDP-74

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:47:59  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_022

**TRT#:** 4  
**DOSE:** 050.0 %

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

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

---

**OBSERVATIONS**

Skin		Acanthosis
		Hyperkeratosis
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_023

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Atrium	Thrombus, Mural
Kidney		Sclerosis
Lung		Alveolar/Bronchiolar Adenoma
Skin		Acanthosis
		Hyperkeratosis
	Epidermis	Inflammation, Acute Focal
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_024

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Ileum, Ileum

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_025

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Ileum, Ileum

Amyloidosis

Skin

Acanthosis

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_026

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Skin

Unspecified

Epidermis

Multiple Organs Nos

Alveolar/Bronchiolar Adenoma

Inflammation, Acute Focal

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_028

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Endocarditis, Bacterial

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_029

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_030

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_031

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung		Adenocarcinoma, Nos, Metastatic
Mammary gland		Adenocarcinoma, Nos
Skin		Acanthosis
		Hyperkeratosis
Spleen		Hematopoiesis
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_032

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma
Skin		Acanthosis
		Hyperkeratosis
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_033

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Pericardium Nos	Inflammation, Chronic
Ovary		Cyst, Nos
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_034

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Vein Nos

Thrombosis, Nos

Lung

Bronchiole

Inflammation, Obliterative

Salivary gland

Amyloidosis

Skin

Acanthosis

Hyperkeratosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_035

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Skin

Inflammation, Chronic

Abscess, Nos

Acanthosis

Hyperkeratosis

Unspecified

Epidermis

Multiple Organs Nos

Inflammation, Acute

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_036

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Ovary

Skin

Cyst, Nos

Acanthosis

Hyperkeratosis

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_037

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Atrium	Thrombus, Mural
Lung		Alveolar/Bronchiolar Adenoma
Skin		Acanthosis
		Hyperkeratosis
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_038

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_039

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lymph node

Mesenteric Lymph Node

Congestion, Nos

Ovary

Cyst, Nos

Skin

Acanthosis

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_040

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Ileum, Ileum

Amyloidosis

Ovary

Cyst, Nos

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_041

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lymph node

Skin

Mediastinal Lymph Node

Uterus

Endometrium

Amyloidosis

Hyperplasia, Plasma Cell

Acanthosis

Hyperkeratosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_042

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Endocarditis, Bacterial

Myocardium Nos

Inflammation, Acute

Spleen

Erythropoiesis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_043

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis, Diffuse
Intestine Small	Ileum, Ileum	Amyloidosis
Liver		Cytoplasmic Change, Basophilic
Skin		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic
Spleen		Erythropoiesis
Uterus		Angiectasis
	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_044

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Pericardium Nos	Inflammation, Chronic Focal
	Atrium	Thrombus, Mural
Skin		Acanthosis
		Hyperkeratosis
		Parakeratosis
Unspecified	Multiple Organs Nos	Amyloidosis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_045

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Lymph node

Mesenteric Lymph Node

Congestion, Nos

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_046

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Amyloidosis

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_047

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Esophagus

Periesophageal Tissue

Inflammation, Acute

Unspecified

Multiple Organs Nos

Amyloidosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_048

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Ovary

Pancreas

Skin

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Cyst, Nos

Necrosis, Focal

Acanthosis

Hyperkeratosis

Amyloidosis

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54546  
**Test Type:** Long-Term  
**Route:** Topical Application  
**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun  
**CAS Number:** EMTDP-74

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:47:59  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_049

**TRT#:** 4  
**DOSE:** 050.0 %

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

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

---

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Skin		Acanthosis
		Hyperkeratosis
		Inflammation, Acute
	Epidermis	Inflammation, Acute Focal
Spleen		Erythropoiesis
Unspecified	Multiple Organs Nos	Amyloidosis

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C54546

**Test Type:** Long-Term

**Route:** Topical Application

**Species/Strain:** Mouse/Swiss

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Selsun

**CAS Number:** EMTDP-74

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

**Time Report Requested:** 12:47:59

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

**Lab:** NA

---

**ANIMAL ID:** 4\_050

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 050.0 %

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Skin

Acanthosis

Unspecified

Hyperkeratosis

Uterus

Multiple Organs Nos

Amyloidosis

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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