

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:56  
**First Dose M/F:** NA / NA  
**Lab:** NA

**C Number:** C06940  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Male

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:56

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

**Lab:** NA

---

**ANIMAL ID:** 1\_001

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:56  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_002

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

**SEX:** Male  
**DISP:** Natural Death

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

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**OBSERVATIONS**

Liver		Congestion, Nos Cytoplasmic Vacuolization Hemorrhage
Lung	Bronchus	Inflammation, Nos Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:56

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

**Lab:** NA

---

**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:56

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

**Lab:** NA

---

**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:56  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_007

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver

Cytoplasmic Vacuolization  
Hemorrhage  
Lymphocytic Inflammatory Infiltrate  
Necrosis, Nos  
Hyperplasia, Alveolar Epithelium

Lung

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:56

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

**Lab:** NA

---

**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Nos

Emphysema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hemorrhage

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_010

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

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

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**OBSERVATIONS**

Lung		Edema, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_011

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung		Edema, Nos
		Emphysema, Nos
		Inflammation, Nos
Lymph node	Mediastinal Lymph Node	Hemosiderosis
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

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**ANIMAL ID:** 1\_013

**TRT#:** 1

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Lung		Hemorrhage
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Atelectasis

Bronchus

Lymphocytic Inflammatory Infiltrate

Trachea

Peritracheal Tissue

Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

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**ANIMAL ID:** 1\_015

**TRT#:** 1

**DOSE:** 0

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Lung

Emphysema, Nos

Hemorrhage

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_017

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Edema, Nos  
Emphysema, Nos  
Hyperplasia, Nos  
Lymphocytic Inflammatory Infiltrate  
Lymphocytic Inflammatory Infiltrate

Trachea

Peritracheal Tissue

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

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**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Congestion, Nos

Lung

Bronchus

Inflammation, Nos

Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Atrophy, Nos

Calcification, Nos

Tubule

Dilatation, Nos

Inflammation, Interstitial

Liver

Abscess, Nos

Congestion, Nos

Bile Duct

Cyst, Nos

Hemorrhage

Lung

Congestion, Nos

Edema, Nos

Peritoneum

Inflammation, Necrotizing

Skin

Edema, Nos

Hemorrhage

Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

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**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Inflammation, Focal

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_024

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver

Congestion, Nos

Cyst, Nos

Hemorrhage

Lung

Inflammation, Nos

Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

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**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney	Tubule	Atrophy, Nos
	Tubule	Calcification, Nos
		Dilatation, Nos
		Inflammation, Interstitial
Liver		Amyloidosis
		Hyperplasia, Cystic
Lung		Congestion, Nos
		Lymphocytic Inflammatory Infiltrate
Salivary gland		Inflammation, Chronic
Skin		Edema, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Interstitial

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Alveoli

Congestion, Nos

Fibrosis

Alveoli

Metaplasia, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_031

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

**SEX:** Male  
**DISP:** Moribund Sacrifice

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

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**OBSERVATIONS**

Gall bladder  
Liver

Inflammation, Nos  
Congestion, Nos  
Cyst, Nos  
Inflammation, Nos  
Necrosis, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

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**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

Trachea

Peritracheal Tissue

Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney		Atrophy, Nos
	Tubule	Dilatation, Nos
Liver		Cytoplasmic Vacuolization
		Hemorrhage
		Necrosis, Nos
Lung		Lymphocytic Inflammatory Infiltrate
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

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**ANIMAL ID:** 1\_034

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney		Atrophy, Focal
	Tubule	Dilatation, Nos
Liver		Congestion, Nos
		Cytoplasmic Vacuolization
		Necrosis, Nos
Lung		Edema, Interstitial
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_035

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

**SEX:** Male  
**DISP:** Natural Death

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

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**OBSERVATIONS**

Intestine Large  
Lung

Intestinal Tract  
Bronchus

Hemorrhage  
Inflammation, Nos  
Inflammation, Nos  
Metaplasia, Broncho-Alveolar

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

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**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Lung

Edema, Interstitial

Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Lung	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

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**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Trachea

Alteration, Cilia

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

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**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Trachea

Peritracheal Tissue

Lymphocytic Inflammatory Infiltrate

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Trachea

Peritracheal Tissue

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_047

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

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Trachea

Peritracheal Tissue

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_048

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Adrenal gland  
Lung

Alveolar Wall

Bronchus

Pheochromocytoma  
Atypia, Nos  
Congestion, Nos  
Edema, Nos  
Hemorrhage  
Inflammation, Nos  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_050

**TRT#:** 1

**DOSE:** 0

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Lung

Bronchus

Trachea

Peritracheal Tissue

Neoplasm, Malignant, Nos

Atrophy, Nos

Congestion, Nos

Edema, Interstitial

Inflammation, Nos

Lymphocytic Inflammatory Infiltrate

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_051

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Distention

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_052

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Bronchus

Inflammation, Nos  
Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_053

**TRT#:** 1

**DOSE:** 0

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Lung

Pyelonephritis, Chronic

Amyloidosis

Cyst, Nos

Edema, Interstitial

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_054

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Congestion, Nos

Portal Tract

Lymphocytic Inflammatory Infiltrate

Lung

Necrosis, Nos

Edema, Interstitial

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_055

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Abscess, Nos

Inflammation, Acute

Pheochromocytoma

Kidney

Tubule

Calcification, Nos

Tubule

Dilatation, Nos

Lymphocytic Inflammatory Infiltrate

Lung

Edema, Interstitial

Bronchus

Inflammation, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_056

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Kupffer Cell

Cell-Shape Alteration

Cyst, Nos

Cytoplasmic Vacuolization

Trachea

Gland

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_057

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain

Hemorrhage

Lung

Alveolar Wall

Hypertrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_058

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

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Lung	Bronchus	Lymphocytic Inflammatory Infiltrate
Lymph node	Hilar Lymph Node	Lymphangiectasis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_059

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_060

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Interstitial

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_061

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Congestion, Nos

Bile Duct

Cyst, Nos

Cytoplasmic Vacuolization

Hemorrhage

Skin

Edema, Nos

Trachea

Peritracheal Tissue

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_062

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Trachea

Peritracheal Tissue

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_063

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver		Congestion, Nos Cytoplasmic Vacuolization Hemorrhage
Lung		Edema, Interstitial Inflammation, Chronic Inflammation, Obliterative Lymphocytic Inflammatory Infiltrate
	Bronchiole	

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_065

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver	Hepatocytes	Atypia, Nos Hemorrhage Necrosis, Nos
Lung	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_066

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Interstitial

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_068

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_069

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Bronchus

Hemorrhage  
Inflammation, Nos  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_070

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Interstitial

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_071

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver

Congestion, Nos

Cyst, Nos

Necrosis, Nos

Lung

Edema, Interstitial

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_072

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Edema, Interstitial  
Inflammation, Nos  
Lymphocytic Inflammatory Infiltrate

Bronchus

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_073

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain

Hemorrhage

Lung

Alveolar Wall

Hypertrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_075

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Pelvis

Hyperplasia, Epithelial

Pyelonephritis, Nos

Urinary bladder

Mucosa

Hyperplasia, Nos

Hypertrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_077

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hemorrhage

Trachea

Gland

Dilatation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_078

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

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Lung		Congestion, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_080

**TRT#:** 1

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Lung

Trachea

Alveolar/Bronchiolar Carcinoma

Cytoplasmic Change, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_081

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Lymphocytic Inflammatory Infiltrate

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_082

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Trachea

Peritracheal Tissue

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_084

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_085

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Gall bladder

Liver

Inflammation, Nos

Cytoplasmic Vacuolization

Hemorrhage

Necrosis, Nos

Lung

Alveolar Epithelium

Atypia, Nos

Edema, Interstitial

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_086

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 1\_087

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_001

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Trachea

Hemorrhage

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_002

**TRT#:** 2  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_003

**TRT#:** 2  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver	Congestion, Nos Cytoplasmic Vacuolization
Lung	Atypia, Nos Hyperplasia, Nos Inflammation, Obliterative
Bronchiole	

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_004

**TRT#:** 2  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung	Alveolar Epithelium	Cell-Shape Alteration Congestion, Nos
	Pleura Nos	Fibrosis Hemorrhage
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Broncho-Alveolar
Trachea		Fibrosis Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_005

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_006

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Trachea

Metaplasia, Broncho-Alveolar

Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_007

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung		Congestion, Nos Hyperplasia, Nos
	Bronchus	Inflammation, Nos Mucocele
	Alveoli	Nuclear-Shape Alteration Hyperplasia, Nos
Trachea		

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_008

**TRT#:** 2  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung		Hemorrhage
	Bronchus	Inflammation, Acute
Trachea		Hyperplasia, Nos
		Inflammation, Acute
		Inflammation, Obliterative

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_009

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_010

**TRT#:** 2  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung	Bronchus	Cell-Shape Alteration Congestion, Nos
	Bronchus	Cytomegaly
	Bronchus	Granuloma, Nos
		Hemorrhage
	Bronchus	Nuclear-Shape Alteration

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_011

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Congestion, Nos

Lung

Necrosis, Peripheral

Trachea

Hemorrhage

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_012

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Fibrosis

Trachea

Bronchus

Inflammation, Acute

Hyperplasia, Nos

Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_013

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Nos

Trachea

Inflammation, Nos

Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_014

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Trachea

Hyperplasia, Atypical

Hyperplasia, Nos

Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_015

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Pleura Nos

Inflammation, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_016

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain	Subarachnoid Space Nos	Hemorrhage
Liver		Necrosis, Peripheral
Lung		Congestion, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_017

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_018

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung  
Trachea

Congestion, Nos  
Inflammation, Obliterative  
Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_019

**TRT#:** 2  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Hemorrhage

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_020

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain	Subarachnoid Space Nos
Liver	
Lung	
Trachea	

Hemorrhage
Congestion, Nos
Hemorrhage
Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_021

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Trachea

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_023

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_024

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Hemorrhage

Inflammation, Acute

Bronchus

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_026

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

Trachea

Hyperplasia, Nos

Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_027

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Trachea

Hyperplasia, Atypical

Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_028

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_029

**TRT#:** 2  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Hyperplasia, Atypical  
Hyperplasia, Atypical

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_032

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

Inflammation, Nos

Trachea

Hyperplasia, Nos

Inflammation, Acute

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_033

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Trachea

Hemorrhage

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_034

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Trachea

Hemorrhage

Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_035

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain

Subarachnoid Space Nos

Hemorrhage

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_036

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

**ANIMAL ID:** 2\_037

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Lung	Alveolar Epithelium	Atypia, Nos
	Bronchus	Atypia, Nos
	Alveolar Epithelium	Cell-Shape Alteration
	Bronchus	Cell-Shape Alteration
		Congestion, Nos
	Alveolar Epithelium	Cytomegaly
	Bronchus	Cytomegaly
		Inflammation, Focal
	Bronchiole	Inflammation, Obliterative
	Alveolar Epithelium	Nuclear-Shape Alteration
	Bronchus	Nuclear-Shape Alteration
Trachea		Cell-Shape Alteration
		Cytomegaly
		Inflammation, Obliterative
		Nuclear-Shape Alteration

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_038

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 2\_039

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Trachea

Hemorrhage

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_001

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Emphysema, Nos

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_002

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Intestine Large  
Lung

Intestinal Tract

Inflammation, Necrotizing  
Hemorrhage  
Leukemia, Nos  
Metaplasia, Broncho-Alveolar

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_003

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Pyelonephritis, Chronic

Liver

Amyloidosis

Cytoplasmic Vacuolization

Hemorrhage

Bile Duct

Hyperplasia, Nos

Lung

Atypia, Nos

Alveolar Epithelium

Hyperplasia, Nos

Inflammation, Nos

Alveolar Epithelium

Metaplasia, Broncho-Alveolar

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_005

**TRT#:** 3  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis  
Hemorrhage  
Hyperplasia, Nos  
Inflammation, Nos  
Hyperplasia, Nos

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_006

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Alveolar Epithelium

Atypia, Nos

Bronchus

Atypia, Nos

Edema, Nos

Bronchus

Inflammation, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_007

**TRT#:** 3  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Leukocytosis, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_008

**TRT#:** 3  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

**OBSERVATIONS**

Heart	Atrium	Thrombus, Organized
Lung		Congestion, Nos
		Edema, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Metaplasia, Broncho-Alveolar
Nasal cavity		Inflammation, Necrotizing

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_009

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Congestion, Nos

Lung

Necrosis, Nos

Congestion, Nos

Edema, Nos

Nasal cavity

Olfactory Gland

Metaplasia, Broncho-Alveolar

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_010

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hyperplasia, Basal Cell

Bronchus

Lymphocytic Inflammatory Infiltrate

Trachea

Lymphocytic Inflammatory Infiltrate

Unspecified

Abscess, Nos

Infection, Fungal

Inflammation, Necro Granulomatous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_011

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Leukocytosis, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_012

**TRT#:** 3  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

**OBSERVATIONS**

Ear		Hemorrhage Inflammation, Acute/Chronic Pigmentation, Nos
Lung	Alveoli	Emphysema, Nos Hemorrhage Lymphocytic Inflammatory Infiltrate
Skin		Fibrosis
Trachea		Lymphocytic Inflammatory Infiltrate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_013

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Inflammation, Nos

Bronchiole

Inflammation, Obliterative

Bronchus

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_014

**TRT#:** 3  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

**OBSERVATIONS**

Heart	Auricular Appendage Nos	Thrombus, Organized
Liver		Cyst, Nos
		Necrosis, Nos
Lung	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Alveoli	Pigmentation, Nos
	Bronchus	Pigmentation, Nos
	Bronchus	Psammoma Bodies

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_015

**TRT#:** 3  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver		Congestion, Nos Hemorrhage
Lung		Atelectasis
Unspecified	Alveoli	Metaplasia, Osseous Skin Tag

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_017

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_019

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Lung

Adenoma, Nos

Inflammation, Chronic

Inflammation, Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_020

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain	Meninges	Inflammation, Necrotizing
Lung	Bronchiole	Distention
		Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_021

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Inflammation, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_022

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung	Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_023

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Hepatic Sinusoid

Hemorrhage

Necrosis, Nos

Lung

Atelectasis

Emphysema, Nos

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_024

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Glomerulus

Amyloidosis

Lung

Amyloidosis

Atelectasis

Congestion, Nos

Edema, Nos

Alveoli

Metaplasia, Osseous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_025

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Cyst, Nos

Hemorrhage

Lung

Lymphocytic Inflammatory Infiltrate

Edema, Nos

Bronchus

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_026

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Emphysema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_027

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Nos

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_028

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Bile Stasis  
Hemorrhage  
Metamorphosis, Fatty  
Necrosis, Nos

Lung

Pleomorphism  
Edema, Nos  
Hemorrhage  
Inflammation, Obliterative  
Lymphocytic Inflammatory Infiltrate

Alveoli

Bronchiole

Multiple Organs Nos

Unspecified

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_029

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Pleura Nos

Congestion, Nos

Inflammation, Necrotizing

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_030

**TRT#:** 3  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Alveolar Epithelium

Atypia, Nos  
Congestion, Nos  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_031

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Cyst, Nos

Skin

Hemorrhage

Edema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_032

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Nos

Fibrosis

Pleura Nos

Hypertrophy, Nos

Inflammation, Granulomatous

Bronchus

Inflammation, Nos

Inflammation, Nos

Bronchiole

Inflammation, Obliterative

Alveoli

Leukocytosis, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

Alveoli

Phagocytic Cell

Alveoli

Psammoma Bodies

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_033

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Atelectasis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_034

**TRT#:** 3  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Edema, Nos  
Granuloma, Nos  
Inflammation, Nos  
Psammoma Bodies

Bronchus

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_035

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Pheochromocytoma, Malignant

Lung

Pheochromocytoma, Metastatic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_036

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Cast, Nos

Tubule

Distention

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_037

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Skin

Head Nos

Edema, Nos

Neoplasm, Malignant, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_038

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hemorrhage

Hyperplasia, Atypical

Bronchus

Inflammation, Nos

Inflammation, Nos

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_039

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

Emphysema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_040

**TRT#:** 3  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Alveoli

Congestion, Nos  
Edema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_041

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_042

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Trachea

Congestion, Nos

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_043

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Atelectasis

Edema, Nos

Emphysema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_044

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

Hemorrhage

Inflammation, Focal

Skin

Bronchus

Inflammation, Nos

Trachea

Head Nos

Neoplasm, Nos

Hyperplasia, Nos

Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_045

**TRT#:** 3  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_047

**TRT#:** 3  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Bronchus

Congestion, Nos  
Edema, Nos  
Hemorrhage  
Inflammation, Nos  
Inflammation, Nos  
Psammoma Bodies

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_048

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_049

**TRT#:** 3  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Edema, Nos  
Emphysema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 3\_050

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Emphysema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_001

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung	Bronchus	Inflammation, Nos
		Inflammation, Nos
Trachea		Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_002

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Hemorrhage  
Hyperplasia, Atypical  
Inflammation, Focal  
Inflammation, Nos

Bronchus

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_003

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Pleura Nos

Hyperplasia, Nos

Inflammation, Nos

Inflammation, Nos

Inflammation, Nos

Mucocele

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_004

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Bronchus

Edema, Nos  
Inflammation, Nos  
Inflammation, Nos  
Hyperplasia, Nos  
Metaplasia, Nos

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_005

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Hemorrhage  
Hyperplasia, Atypical

Bronchus

Inflammation, Nos  
Inflammation, Nos

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_006

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver		Hemorrhage
Lung		Hyperplasia, Atypical
Trachea		Hyperplasia, Atypical
Unspecified	Multiple Organs Nos	Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_007

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung		Congestion, Nos Edema, Interstitial Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
Trachea		Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_008

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hemorrhage

Hyperplasia, Nos

Inflammation, Nos

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_009

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus  
Alveolar Epithelium

Bronchiectasis  
Cell-Shape Alteration  
Emphysema, Nos  
Foam-Cell

Bronchus

Inflammation, Nos  
Inflammation, Nos

Trachea

Alveolar Epithelium  
Peritracheal Tissue

Metaplasia, Squamous  
Lymphocytic Inflammatory Infiltrate  
Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_010

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Nos

Hemorrhage

Hyperplasia, Atypical

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_011

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_012

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis

Alveolar Epithelium

Cell-Shape Alteration

Bronchiole

Cleft

Hyperplasia, Atypical

Bronchiole

Inflammation, Focal

Inflammation, Nos

Alveoli

Leukocytosis, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_013

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung		Congestion, Nos Edema, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_014

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Intestine Large

Cecum, Colon

Hemorrhage

Lung

Cecum, Colon

Mucocele

Bronchus

Edema, Interstitial

Hyperplasia, Atypical

Inflammation, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_015

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Bronchus  
Pleura Nos

Congestion, Nos  
Hemorrhage  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_016

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung		Congestion, Nos Hemorrhage
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous
Trachea		Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_017

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

Hemorrhage

Hyperplasia, Atypical

Bronchus

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_019

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Hemorrhage

Bronchus

Inflammation, Nos  
Inflammation, Nos

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_020

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Bronchus

Inflammation, Nos

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_021

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

Hyperplasia, Atypical

Bronchus

Inflammation, Nos

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_022

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Bronchus

Hemorrhage  
Inflammation, Nos  
Hyperplasia, Atypical

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_023

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis

Congestion, Nos

Edema, Nos

Hemorrhage

Trachea

Bronchus

Inflammation, Nos

Hyperplasia, Nos

Peritracheal Tissue

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_024

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Leukocytosis, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_025

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage  
Hyperplasia, Atypical  
Inflammation, Nos  
Metaplasia, Broncho-Alveolar  
Hyperplasia, Atypical

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_026

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

Hyperplasia, Atypical

Inflammation, Nos

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_027

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Interstitial

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_028

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Cleft  
Congestion, Nos  
Granuloma, Nos  
Hemosiderosis  
Hyperplasia, Atypical  
Inflammation, Nos  
Psammoma Bodies  
Hyperplasia, Atypical

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_029

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_030

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hyperplasia, Atypical

Inflammation, Focal

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_031

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Emphysema, Nos

Inflammation, Nos

Inflammation, Nos

Inflammation, Nos

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_032

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Inflammation, Nos

Psammoma Bodies

Undifferentiated Carcinoma

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_033

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver		Congestion, Nos
	Hepatic Sinusoid	Cyst, Nos
Lung	Alveolar Epithelium	Cell-Shape Alteration
		Cleft
		Hyperplasia, Atypical
		Inflammation, Focal
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Psammoma Bodies
Trachea		Hyperplasia, Atypical
		Metaplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_034

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_035

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Alveolar Epithelium

Atypia, Nos

Congestion, Nos

Hemorrhage

Inflammation, Nos

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_036

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hyperplasia, Atypical

Trachea

Inflammation, Nos

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_037

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

Emphysema, Nos

Hemorrhage

Alveoli

Hemosiderosis

Hyperplasia, Atypical

Bronchus

Inflammation, Nos

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

Mucocele

Alveoli

Psammoma Bodies

Bronchus

Psammoma Bodies

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_038

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Interstitial

Trachea

Emphysema, Nos

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_039

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung	Alveolar Epithelium Alveolar Epithelium Bronchus	Atypia, Nos Cell-Shape Alteration Inflammation, Nos Inflammation, Nos Hyperplasia, Atypical
Trachea		

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_040

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Alveolar Epithelium

Atypia, Nos

Alveolar Epithelium

Cell-Shape Alteration

Edema, Nos

Hemorrhage

Bronchus

Inflammation, Nos

Inflammation, Nos

Trachea

Peritracheal Tissue

Fibrosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_041

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

**OBSERVATIONS**

Lung	Pleura Nos	Fibrosis Hemorrhage Hemosiderosis Hyperplasia, Atypical
	Pleura Nos Bronchus	Hypertrophy, Nos Inflammation, Nos Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Hyperplasia, Focal Inflammation, Obliterative

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_042

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung		Congestion, Nos Hemorrhage Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos Inflammation, Nos
Trachea		Mucocele Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_043

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_044

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

Inflammation, Focal

Bronchus

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

Metaplasia, Broncho-Alveolar

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_045

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung	Alveolar Epithelium	Atypia, Nos Congestion, Nos Inflammation, Focal
Trachea	Bronchus	Inflammation, Nos Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_046

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung	Alveolar Epithelium	Atypia, Nos Congestion, Nos Hemorrhage Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Hyperplasia, Atypical
Unspecified	Mediastinum Nos	Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_047

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Trachea

Hyperplasia, Atypical

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_048

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung		Collapse Congestion, Nos Edema, Interstitial Hyperplasia, Alveolar Epithelium Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Fibrosis Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_049

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hemorrhage

Bronchus

Inflammation, Nos

Pleura Nos

Inflammation, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_050

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Interstitial

Hemorrhage

Hyperplasia, Nos

Bronchus

Inflammation, Nos

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_051

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

**OBSERVATIONS**

Lung		Congestion, Nos Edema, Nos Hyperplasia, Atypical
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Fibrosis Hypertrophy, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_052

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung		Congestion, Nos Hemorrhage Hyperplasia, Atypical
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Hyperplasia, Atypical
Trachea		

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_053

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

Emphysema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_054

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung	Alveolar Epithelium	Cell-Shape Alteration Congestion, Nos Hemorrhage
	Bronchus	Inflammation, Nos Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_055

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung	Alveolar Epithelium	Cell-Shape Alteration Congestion, Nos Hemorrhage
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
Trachea		Inflammation, Nos Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_056

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchiole

Cleft

Bronchus

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_057

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Hyperplasia, Atypical  
Inflammation, Nos  
Inflammation, Nos  
Hyperplasia, Atypical

Bronchus

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_058

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Metaplasia, Broncho-Alveolar
		Metaplasia, Nos
Trachea		Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_059

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Emphysema, Nos

Inflammation, Nos

Inflammation, Nos

Hyperplasia, Nos

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_060

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung	Bronchus	Bronchiectasis Hyperplasia, Atypical
	Bronchus	Inflammation, Nos Inflammation, Nos Hyperplasia, Atypical
Trachea		

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_061

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_063

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_064

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hyperplasia, Atypical

Bronchus

Inflammation, Nos

Trachea

Inflammation, Nos

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_065

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hyperplasia, Focal

Bronchus

Inflammation, Nos

Mucocele

Trachea

Hyperplasia, Nos

Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_066

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Alveoli

Emphysema, Nos

Foam-Cell

Bronchus

Hyperplasia, Atypical

Inflammation, Nos

Trachea

Inflammation, Nos

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_067

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Edema, Nos  
Inflammation, Nos  
Lymphocytic Inflammatory Infiltrate

Bronchus  
Bronchus

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_068

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung		Hemorrhage
		Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
		Inflammation, Nos
Trachea		Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_069

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hemorrhage

Hyperplasia, Atypical

Inflammation, Focal

Pleura Nos

Inflammation, Nos

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_070

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hyperplasia, Nos

Trachea

Submucosa

Fibrosis

Hyperplasia, Nos

Submucosa

Hypertrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_071

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Hemorrhage

Bronchus

Inflammation, Nos  
Inflammation, Nos

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_072

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung	Alveoli Bronchiole Bronchus	Cleft Inflammation, Nos Inflammation, Nos Inflammation, Nos Metaplasia, Broncho-Alveolar Psammoma Bodies
Trachea	Peritracheal Tissue Peritracheal Tissue	Fibrosis Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_073

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Inflammation, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_074

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Hyperplasia, Atypical

Bronchus  
Pleura Nos

Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Hyperplasia, Nos

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_075

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Cleft

Foam-Cell

Inflammation, Focal

Metaplasia, Broncho-Alveolar

Psammoma Bodies

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_076

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Hemorrhage  
Hyperplasia, Atypical  
Inflammation, Nos  
Inflammation, Nos  
Psammoma Bodies  
Hyperplasia, Atypical

Bronchus

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_077

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Pleura Nos

Collapse  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_078

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

Bronchus

Inflammation, Nos

Pleura Nos

Inflammation, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_080

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis  
Congestion, Nos  
Hemorrhage  
Hyperplasia, Nos  
Inflammation, Nos  
Inflammation, Nos  
Hyperplasia, Nos

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_081

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis  
Congestion, Nos  
Hemorrhage  
Hyperplasia, Atypical

Bronchus

Inflammation, Nos  
Mucocele

Trachea

Fibrosis  
Hyperplasia, Atypical  
Hypertrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_082

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Nos

Bronchus

Inflammation, Nos

Trachea

Inflammation, Nos

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_083

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Edema, Nos  
Hemorrhage

Unspecified

Mediastinum Nos  
Mediastinum Nos

Hemorrhage  
Obesity

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_084

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Edema, Nos  
Hemorrhage

Bronchus  
Pleura Nos

Inflammation, Nos  
Inflammation, Nos  
Hyperplasia, Atypical

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_085

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Edema, Nos  
Hemorrhage  
Hyperplasia, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Mucocele

Bronchus  
Pleura Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_086

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hemorrhage

Inflammation, Focal

Nuclear-Shape Alteration

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_087

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung		Cytomegaly
		Edema, Interstitial
		Hemorrhage
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Alveolar Epithelium	Nuclear-Shape Alteration

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_088

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis

Hyperplasia, Atypical

Bronchus

Inflammation, Nos

Inflammation, Nos

Metaplasia, Squamous

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_089

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hyperplasia, Nos

Inflammation, Nos

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_090

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Edema, Nos  
Inflammation, Nos  
Inflammation, Nos

Bronchus

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_091

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Trachea

Congestion, Nos

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_092

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung		Congestion, Nos Edema, Interstitial Hemorrhage
	Bronchus	Inflammation, Nos
	Bronchiole	Inflammation, Obliterative
Trachea		Hyperplasia, Atypical Inflammation, Obliterative Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_093

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Hyperplasia, Atypical

Bronchus

Inflammation, Nos  
Inflammation, Nos

Trachea

Mucocele  
Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_094

**TRT#:** 4  
**DOSE:** 000.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung		Congestion, Nos Hemorrhage Hyperplasia, Atypical
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous Hyperplasia, Atypical
Trachea		

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_095

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

Bronchus

Inflammation, Nos

Trachea

Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_096

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
	Alveoli	Inflammation, Nos
	Bronchiole	Metaplasia, Squamous
Trachea		Metaplasia, Squamous Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_097

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Collapse

Congestion, Nos

Bronchiole

Hemosiderosis

Hyperplasia, Atypical

Bronchus

Inflammation, Nos

Inflammation, Nos

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_098

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Interstitial

Hemorrhage

Bronchus

Inflammation, Nos

Pleura Nos

Inflammation, Nos

Trachea

Inflammation, Nos

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_099

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis

Congestion, Nos

Hemorrhage

Bronchus

Inflammation, Nos

Inflammation, Nos

Metaplasia, Squamous

Perivascular Cuffing

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 4\_100

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

Hyperplasia, Atypical

Bronchus

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

Trachea

Hyperplasia, Atypical

Peritracheal Tissue

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_001

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver  
Lung

Hepatic Sinusoid

Congestion, Nos  
Edema, Nos  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_002

**TRT#:** 5  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver

Cyst, Nos

Lung

Necrosis, Nos

Emphysema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_003

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Congestion, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_004

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Tubule

Liver

Hepatocytes

Pheochromocytoma

Atrophy, Nos

Cast, Nos

Dilatation, Nos

Inflammation, Interstitial

Atrophy, Nos

Congestion, Nos

Cyst, Nos

Hemorrhage

Perivasculitis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_005

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis

Collapse

Emphysema, Nos

Hemorrhage

Bronchus

Inflammation, Nos

Inflammation, Nos

Psammoma Bodies

Trachea

Hyperplasia, Atypical

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_006

**TRT#:** 5  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung		Congestion, Nos Edema, Nos Emphysema, Centrilobular Foam-Cell Hemosiderosis Metaplasia, Broncho-Alveolar Psammoma Bodies
	Alveoli	
	Alveoli	

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_007

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Nos

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_008

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Trachea

Congestion, Nos

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_011

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Emphysema, Nos

Hemorrhage

Hyperplasia, Atypical

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_013

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hyperplasia, Alveolar Epithelium

Bronchus

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_014

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

Psammoma Bodies

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_015

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_016

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hyperplasia, Atypical

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_017

**TRT#:** 5  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung	Alveolar Epithelium Bronchus	Cell-Shape Alteration Inflammation, Nos Inflammation, Nos Hyperplasia, Nos
Trachea		

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_018

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Nos

Trachea

Hyperplasia, Nos

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_019

**TRT#:** 5  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Hemorrhage

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_020

**TRT#:** 5  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Gall bladder  
Liver

Bile Duct

Spleen

Hyperplasia, Nos  
Cirrhosis, Portal  
Hyperplasia, Nos  
Pigmentation, Nos  
Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_021

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver		Necrosis, Nos
Lung		Inflammation, Chronic
Lymph node	Lymphatics Of Lung	Dilatation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_022

**TRT#:** 5  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Edema, Nos  
Lymphocytic Inflammatory Infiltrate  
Psammoma Bodies

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_023

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hemosiderosis

Bronchus

Lymphocytic Inflammatory Infiltrate

Psammoma Bodies

Trachea

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_024

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Fibrosis

Pleura Nos

Hypertrophy, Nos

Bronchus

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_025

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Alveolar Epithelium

Atypia, Nos

Bronchus

Bronchiectasis

Emphysema, Nos

Hemorrhage

Pleura Nos

Hypertrophy, Nos

Trachea

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_026

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Atrophy, Nos  
Calcification, Nos  
Cast, Nos

Liver

Congestion, Nos  
Cyst, Nos

Bile Duct

Hyperplasia, Nos  
Necrosis, Nos

Lung

Leukocytosis, Nos  
Metaplasia, Broncho-Alveolar

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_027

**TRT#:** 5  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Edema, Nos  
Emphysema, Nos  
Inflammation, Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_028

**TRT#:** 5  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Cyst, Nos  
Emphysema, Nos  
Fibrosis

Bronchus

Hemorrhage  
Inflammation, Nos  
Inflammation, Nos  
Metaplasia, Broncho-Alveolar  
Lymphocytic Inflammatory Infiltrate

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 5\_029

**TRT#:** 5  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

**OBSERVATIONS**

Liver		Congestion, Nos Cyst, Nos
Lung		Hemorrhage Congestion, Nos Emphysema, Nos Hemosiderosis Inflammation, Nos
	Bronchiole	Inflammation, Obliterative Psammoma Bodies
Nasal cavity		Inflammation, Nos
	Turbinate Nos	Metaplasia, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_030

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Alveoli

Congestion, Nos

Foam-Cell

Bronchus

Lymphocytic Inflammatory Infiltrate

Bronchus

Psammoma Bodies

Trachea

Hyperplasia, Atypical

Lymphocytic Inflammatory Infiltrate

Unspecified

Multiple Organs Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_031

**TRT#:** 5  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver	Hepatocytes	Atypia, Nos Cirrhosis, Nos
Lung	Portal Tract	Lymphocytic Inflammatory Infiltrate Congestion, Nos Emphysema, Nos Hemorrhage
	Pleura Nos	Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_032

**TRT#:** 5  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis  
Congestion, Nos  
Edema, Nos  
Hyperplasia, Nos  
Inflammation, Focal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_033

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_034

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Cast, Nos

Lung

Bronchus

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_035

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Atrophy, Nos

Calcification, Nos

Cast, Nos

Degeneration, Hyaline

Tubule

Dilatation, Nos

Fibrosis

Liver

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_036

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Thrombosis, Nos
		Thrombus, Organized
Kidney		Atrophy, Nos
	Tubule	Calcification, Nos
	Tubule	Cast, Nos
		Fibrosis
Liver	Hepatocytes	Atrophy, Nos
		Congestion, Nos
		Cytoplasmic Vacuolization
		Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_037

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Inflammation, Granulomatous

Inflammation, Nos

Bronchiole

Inflammation, Obliterative

Leukocytosis, Nos

Psammoma Bodies

Nasal cavity

Turbinates Nos

Neuroblastoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_038

**TRT#:** 5  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Hyperplasia, Nos  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_039

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_041

**TRT#:** 5  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_042

**TRT#:** 5  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung	Bronchus	Bronchiectasis Congestion, Nos
	Alveoli	Fibrosis Hemorrhage Hyperplasia, Atypical
	Alveoli	Hypertrophy, Nos
	Pleura Nos	Inflammation, Nos Inflammation, Nos Hyperplasia, Nos
Trachea		

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_044

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Atelectasis

Congestion, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_045

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_046

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Foam-Cell

Psammoma Bodies

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 5\_047

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Intestine Large  
Lung

Large Intestine, Colon

Hemorrhage  
Edema, Nos  
Metaplasia, Broncho-Alveolar

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_048

**TRT#:** 5  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Emphysema, Nos  
Hemorrhage  
Hyperplasia, Nos  
Inflammation, Nos  
Inflammation, Nos

Bronchus

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_049

**TRT#:** 5  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Edema, Nos  
Emphysema, Nos  
Hemorrhage  
Inflammation, Granulomatous  
Psammoma Bodies

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:57  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_050

**TRT#:** 5  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Calcification, Nos  
Congestion, Nos  
Edema, Nos  
Inflammation, Nos  
Inflammation, Nos

Bronchus

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 6\_001

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Fibrosis, Focal

Hemorrhage

Hyperplasia, Nos

Bronchus

Inflammation, Nos

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 6\_002

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Alveoli

Cleft

Congestion, Nos

Fibrosis, Focal

Alveoli

Foam-Cell

Hemorrhage

Bronchus

Hemosiderosis

Alveoli

Hypertrophy, Nos

Pleura Nos

Inflammation, Nos

Bronchus

Phagocytic Cell

Bronchus

Psammoma Bodies

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 6\_003

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Alveolar Epithelium

Atypia, Nos

Bronchus

Inflammation, Nos

Trachea

Inflammation, Nos

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:57

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

**Lab:** NA

---

**ANIMAL ID:** 6\_004

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Interstitial

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_005

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver	Hepatic Sinusoid	Congestion, Nos
	Hepatocytes	Cytoplasmic Vacuolization
Lung		Congestion, Nos
		Hemorrhage
	Bronchus	Inflammation, Nos
		Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_006

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Interstitial

Hemorrhage

Bronchus

Inflammation, Nos

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_007

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hemorrhage

Inflammation, Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_008

**TRT#:** 6  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Inflammation, Focal  
Inflammation, Nos  
Psammoma Bodies  
Hyperplasia, Nos

Bronchus

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_009

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Pleura Nos

Inflammation, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_010

**TRT#:** 6  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung		Congestion, Nos Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous
Trachea		Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_011

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

Bronchus

Inflammation, Nos

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_012

**TRT#:** 6  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver		Hyperemia
Lung		Atelectasis
	Bronchus	Hyperplasia, Basal Cell
		Inflammation, Nos
		Inflammation, Nos
		Metaplasia, Broncho-Alveolar
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_013

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

Emphysema, Nos

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_014

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Collapse

Congestion, Nos

Emphysema, Nos

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_015

**TRT#:** 6  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Bronchus  
Pleura Nos

Hyperplasia, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Hyperplasia, Atypical

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_016

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Pleura Nos

Congestion, Nos

Hypertrophy, Nos

Inflammation, Nos

Perivascular Cuffing

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_017

**TRT#:** 6  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Edema, Interstitial  
Hemorrhage  
Hyperplasia, Focal  
Inflammation, Nos  
Hyperplasia, Focal  
Metaplasia, Nos

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_018

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_019

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hemorrhage

Hyperplasia, Basal Cell

Bronchus

Inflammation, Nos

Psammoma Bodies

Trachea

Hyperplasia, Focal

Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_020

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis

Edema, Nos

Emphysema, Nos

Hemorrhage

Psammoma Bodies

Trachea

Inflammation, Obliterative

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_021

**TRT#:** 6  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Emphysema, Nos  
Hemorrhage

Bronchus

Inflammation, Nos  
Inflammation, Nos  
Hyperplasia, Nos

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_022

**TRT#:** 6  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung	Alveolar Epithelium	Cell-Shape Alteration Hemorrhage Hyperplasia, Atypical Inflammation, Focal Metaplasia, Broncho-Alveolar
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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_023

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

Hemorrhage

Metaplasia, Broncho-Alveolar

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_024

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis

Inflammation, Focal

Bronchus

Inflammation, Nos

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_025

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis

Congestion, Nos

Hemorrhage

Trachea

Hyperplasia, Atypical

Hyperplasia, Polypoid

Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_026

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Edema, Nos  
Hyperplasia, Nos  
Inflammation, Nos  
Psammoma Bodies

Trachea

Fibrosis  
Hyperplasia, Nos  
Hypertrophy, Nos

Submucosa

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_027

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung	Bronchus	Bronchiectasis Edema, Nos Emphysema, Nos
	Bronchus	Fibrosis
	Pleura Nos	Fibrosis
	Pleura Nos	Hypertrophy, Focal
	Bronchus	Inflammation, Nos Inflammation, Nos
	Alveoli	Metaplasia, Broncho-Alveolar
	Bronchus	Psammoma Bodies Psammoma Bodies

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_028

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Emphysema, Nos

Hemorrhage

Hyperplasia, Nos

Inflammation, Nos

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_029

**TRT#:** 6  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Pleura Nos

Congestion, Nos  
Inflammation, Nos  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_030

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung  
Trachea

Hyperplasia, Atypical  
Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_031

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney	Tubule	Cast, Nos
Liver	Hepatic Sinusoid	Hyperemia
Lung	Alveoli	Calculus, Unknown Gross Or Micro
	Bronchus	Calculus, Unknown Gross Or Micro
		Emphysema, Nos
		Granuloma, Nos
	Alveoli	Metaplasia, Osseous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_032

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Pleura Nos

Edema, Nos

Pleura Nos

Fibrosis

Bronchus

Hypertrophy, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_033

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_034

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Cleft

Congestion, Nos

Emphysema, Nos

Hemorrhage

Alveoli

Hemosiderosis

Bronchus

Hemosiderosis

Trachea

Psammoma Bodies

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_035

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hyperplasia, Atypical

Trachea

Inflammation, Focal

Hyperplasia, Atypical

Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_036

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_037

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Inflammation, Focal

Bronchus

Inflammation, Nos

Trachea

Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_038

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Pleura Nos

Pleura Nos

Collapse

Congestion, Nos

Fibrosis

Hypertrophy, Nos

Metaplasia, Broncho-Alveolar

Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_039

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Hemorrhage

Inflammation, Nos

Inflammation, Nos

Metaplasia, Broncho-Alveolar

Trachea

Atypia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_040

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Alveoli  
Bronchiole

Cleft  
Edema, Nos  
Inflammation, Granulomatous Focal  
Inflammation, Granulomatous Focal  
Psammoma Bodies

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_041

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Edema, Nos

Inflammation, Nos

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_042

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Inflammation, Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_043

**TRT#:** 6  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Edema, Interstitial  
Emphysema, Nos  
Hemorrhage  
Hyperplasia, Atypical  
Inflammation, Nos  
Hyperplasia, Nos

Bronchus

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_044

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

Hemorrhage

Psammoma Bodies

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_045

**TRT#:** 6  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung	Alveoli	Hemorrhage
	Bronchus	Hemosiderosis
		Hemosiderosis
	Bronchus	Inflammation, Focal
		Inflammation, Nos
Trachea		Psammoma Bodies
		Hyperplasia, Atypical
		Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_046

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis

Congestion, Nos

Hemorrhage

Bronchus

Inflammation, Nos

Pleura Nos

Inflammation, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_047

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hemorrhage

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_048

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver	Hepatic Sinusoid	Congestion, Nos
Lung		Congestion, Nos
		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Hyperplasia, Focal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 6\_049

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.0 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hemorrhage

Inflammation, Nos

Trachea

Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_050

**TRT#:** 6  
**DOSE:** 001.0 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung	Alveolar Epithelium	Atypia, Nos Hemorrhage Hyperplasia, Atypical Inflammation, Nos
Trachea		Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 7\_006

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 009.9 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain

Subarachnoid Space Nos

Hemorrhage

Liver

Congestion, Nos

Necrosis, Nos

Lymph node

Lymphatics Of Lung

Distention

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 7\_023

**TRT#:** 7  
**DOSE:** 009.9 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Brain

Subarachnoid Space Nos

Edema, Nos  
Hemorrhage  
Hemorrhage  
Inflammation, Nos

Lung

Lymph node

Lymphatics Of Lung

Hemorrhage  
Distention

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 7\_027

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 009.9 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain

Subarachnoid Space Nos

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 7\_041

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 009.9 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain

Subarachnoid Space Nos

Hemorrhage

Lung

Hemorrhage

Inflammation, Interstitial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 7\_042

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 009.9 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain	Subarachnoid Space Nos	Hemorrhage
Liver		Metamorphosis, Fatty
		Necrosis, Nos
Lung		Hemorrhage
Lymph node	Lymphatics Of Lung	Dilatation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 8\_001

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 005.6 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Trachea

Hemorrhage

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 8\_004

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 005.6 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 8\_005

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 005.6 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Trachea

Hemorrhage

Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 8\_008

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 005.6 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 8\_013

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 005.6 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 8\_014

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 005.6 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hemorrhage

Bronchus

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 8\_016

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 005.6 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 8\_017

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 005.6 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Trachea

Hemorrhage

Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 8\_019

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 005.6 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung  
Trachea

Hemorrhage  
Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 8\_020

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 005.6 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 8\_022

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 005.6 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 8\_023

**TRT#:** 8  
**DOSE:** 005.6 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
Trachea		Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 8\_025

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 005.6 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_001

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Alveolar Epithelium

Cell-Shape Alteration

Hemorrhage

Pleura Nos

Hypertrophy, Nos

Bronchus

Inflammation, Nos

Trachea

Inflammation, Nos

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_002

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Atypia, Nos

Bronchiectasis

Congestion, Nos

Edema, Nos

Hemorrhage

Hyperplasia, Focal

Inflammation, Nos

Hyperplasia, Nos

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_003

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Alveolar Epithelium

Bronchus

Atypia, Nos

Bronchiectasis

Cell-Shape Alteration

Cell-Shape Alteration

Congestion, Nos

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_004

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Fibrosis

Hemorrhage

Hyperplasia, Nos

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_005

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Inflammation, Nos

Psammoma Bodies

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_006

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Trachea

Hemorrhage

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_007

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Inflammation, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_008

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Atypia, Nos  
Congestion, Nos  
Edema, Nos

Bronchus

Hemorrhage  
Hyperplasia, Atypical  
Inflammation, Focal

Bronchus

Inflammation, Nos

Pleura Nos

Inflammation, Nos

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 9\_009

**TRT#:** 9  
**DOSE:** 002.1 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung	Pleura Nos Alveolar Epithelium	Atypia, Nos Cell-Shape Alteration Hemorrhage Hyperplasia, Atypical
	Pleura Nos Bronchus	Hypertrophy, Nos Inflammation, Nos Inflammation, Nos Hyperplasia, Atypical
Trachea		

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_010

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

Hemorrhage

Hyperplasia, Nos

Hypertrophy, Nos

Alveoli

Hypertrophy, Nos

Pleura Nos

Inflammation, Nos

Bronchus

Inflammation, Nos

Pleura Nos

Lymphocytic Inflammatory Infiltrate

Trachea

Atypia, Nos

Hyperplasia, Nos

Submucosa

Hypertrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 9\_011

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_013

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_014

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hyperplasia, Nos

Bronchus

Inflammation, Nos

Trachea

Inflammation, With Fibrosis

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_015

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Calcification, Nos

Congestion, Nos

Pleura Nos

Foam-Cell

Hemorrhage

Pleura Nos

Hypertrophy, Nos

Bronchus

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_016

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain	Subarachnoid Space Nos	Hemorrhage
Heart		Inflammation, Nos
Lung		Hemorrhage
	Bronchus	Inflammation, Nos
		Inflammation, Nos
Trachea		Cell-Shape Alteration

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_017

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain

Subarachnoid Space Nos

Hemorrhage

Lung

Hemorrhage

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 9\_018

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_019

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Fibrosis

Hemorrhage

Bronchus

Inflammation, Nos

Inflammation, Nos

Trachea

Fibrosis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_020

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_021

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain

Subarachnoid Space Nos

Hemorrhage

Lung

Hemorrhage

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_022

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

Bronchus

Inflammation, Nos

Trachea

Fibrosis

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_023

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain

Subarachnoid Space Nos

Hemorrhage

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_024

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Alveolar Epithelium

Atypia, Nos

Congestion, Nos

Edema, Nos

Hemorrhage

Alveoli

Hypertrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 9\_025

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.1 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung  
Trachea

Hemorrhage  
Hyperplasia, Nos  
Inflammation, Obliterative

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 10\_001

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung

Alveolar Epithelium

Atypia, Nos

Bronchiole

Atypia, Nos

Hyperplasia, Atypical

Bronchus

Inflammation, Nos

Inflammation, Nos

Metaplasia, Squamous

Trachea

Hyperplasia, Atypical

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 10\_002

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Cell-Shape Alteration

Congestion, Nos

Hemorrhage

Hyperplasia, Atypical

Pleura Nos

Hypertrophy, Nos

Trachea

Hyperplasia, Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 10\_003

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Hepatocytes

Cytoplasmic Vacuolization

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 10\_004

**TRT#:** 10  
**DOSE:** 000.7 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Hemorrhage  
Hyperplasia, Nos  
Inflammation, Nos  
Inflammation, Nos  
Hyperplasia, Nos

Bronchus

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 10\_005

**TRT#:** 10  
**DOSE:** 000.7 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Edema, Nos  
Hemorrhage  
Inflammation, Nos  
Metaplasia, Broncho-Alveolar

Bronchus

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 10\_006

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver		Congestion, Nos Hemorrhage
Lung	Alveolar Epithelium Bronchus	Metamorphosis, Fatty Atypia, Nos Inflammation, Nos Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 10\_007

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 10\_008

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Inflammation, Nos

Inflammation, Nos

Alveoli

Metaplasia, Osseous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 10\_009

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 10\_010

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 10\_011

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 10\_012

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Bronchus

Congestion, Nos

Inflammation, Nos

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 10\_013

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Congestion, Nos

Kidney

Tubule

Hemorrhage

Cast, Nos

Liver

Edema, Nos

Inflammation, Acute Focal

Inflammation, Chronic Focal

Lung

Necrosis, Nos

Inflammation, Nos

Trachea

Alveoli

Metaplasia, Osseous

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 10\_014

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Hyperplasia, Nos

Bronchus

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 10\_015

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Cast, Nos

Congestion, Nos

Liver

Hemorrhage

Lung

Alveoli

Hemorrhage

Hyperplasia, Basal Cell

Inflammation, Chronic Focal

Skin

Cyst, Nos

Hyperkeratosis

Papillomatosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 10\_016

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney	Tubule	Cast, Nos
Liver		Cyst, Nos
Lung	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 10\_017

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Lung

Unspecified

Tubule

Hemorrhage

Cast, Nos

Hemorrhage

Inflammation, Chronic

Edema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 10\_018

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Inflammation, Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 10\_019

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Cell-Shape Alteration  
Edema, Nos  
Fibrosis  
Inflammation, Granulomatous  
Inflammation, Nos  
Psammoma Bodies

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 10\_020

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Lung

Necrosis, Nos

Inflammation, Chronic

Inflammation, With Fibrosis

Metaplasia, Broncho-Alveolar

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 10\_021

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Atrophy, Nos

Calcification, Nos

Tubule

Dilatation, Nos

Pyelonephritis, Nos

Lung

Alveolar Epithelium

Atypia, Nos

Bronchus

Bronchiectasis

Inflammation, Nos

Bronchiole

Inflammation, Obliterative

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 10\_022

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Alveolar Epithelium

Atypia, Nos

Congestion, Nos

Emphysema, Nos

Bronchus

Inflammation, Nos

Inflammation, Nos

Psammoma Bodies

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 10\_023

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Atrophy, Nos

Cyst, Nos

Tubule

Dilatation, Nos

Lung

Fibrosis

Edema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 10\_024

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Portal Tract

Metamorphosis, Fatty

Lung

Necrosis, Nos

Congestion, Nos

Emphysema, Nos

Hemorrhage

Bronchus

Inflammation, Nos

Inflammation, Nos

Bronchiole

Inflammation, Obliterative

Bronchus

Lymphocytic Inflammatory Infiltrate

Psammoma Bodies

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 10\_025

**TRT#:** 10

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 000.7 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Emphysema, Nos

Inflammation, Nos

Trachea

Bronchus

Lymphocytic Inflammatory Infiltrate

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_001

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Emphysema, Nos

Necrosis, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_004

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Calcification, Nos

Liver

Degeneration, Nos

Lung

Necrosis, Nos

Congestion, Nos

Edema, Nos

Emphysema, Nos

Hemorrhage

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_007

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Glomerulus

Atrophy, Nos

Tubule

Degeneration, Hyaline

Tubule

Degeneration, Nos

Liver

Metamorphosis, Fatty

Necrosis, Nos

Lung

Congestion, Nos

Emphysema, Nos

Fibrosis

Hyperplasia, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_009

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchiole

Congestion, Nos

Distention

Emphysema, Nos

Hemorrhage

Bronchus

Inflammation, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_010

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchiole

Congestion, Nos

Distention

Bronchus

Emphysema, Nos

Inflammation, Nos

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_011

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_012

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Hemorrhage

Inflammation, Nos

Inflammation, With Fibrosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 11\_015

**TRT#:** 11  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Edema, Nos  
Emphysema, Nos  
Hemorrhage  
Inflammation, Nos  
Inflammation, Nos

Bronchus

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_017

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Calcification, Nos

Tubule

Degeneration, Hyaline

Tubule

Dilatation, Nos

Lung

Alveolar Epithelium

Atypia, Nos

Congestion, Nos

Edema, Nos

Inflammation, Nos

Bronchiole

Inflammation, Obliterative

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_018

**TRT#:** 11

**DOSE:** 0

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Lung

Necrosis, Nos

Necrosis, Nos

Edema, Nos

Emphysema, Nos

Hemorrhage

Necrosis, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_019

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

Hemorrhage

Hyperplasia, Nos

Inflammation, Nos

Necrosis, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 11\_020

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_021

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

Hyperplasia, Nos

Bronchus

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 11\_026

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis  
Congestion, Nos  
Edema, Nos  
Emphysema, Nos  
Hemorrhage  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 11\_027

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_028

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney	Tubule	Calcification, Nos Degeneration, Hyaline Dilatation, Nos
Liver	Centrilobular	Congestion, Nos Cytoplasmic Vacuolization
Lung	Alveoli	Atypia, Nos Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_029

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Cast, Nos

Cyst, Nos

Liver

Tubule

Dilatation, Nos

Congestion, Nos

Lung

Bile Duct

Cyst, Nos

Fibrosis

Congestion, Nos

Hemorrhage

Hyperplasia, Nos

Inflammation, Nos

Trachea

Hyperplasia, Papillary

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 11\_030

**TRT#:** 11  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis  
Congestion, Nos  
Emphysema, Nos  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_033

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis  
Congestion, Nos  
Emphysema, Nos  
Hyperplasia, Nos

Trachea

Bronchus

Lymphocytic Inflammatory Infiltrate  
Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_034

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

Hemorrhage

Bronchus

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_035

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney	Glomerulus	Atrophy, Nos
	Tubule	Dilatation, Nos
Liver		Congestion, Nos
		Metamorphosis, Fatty
Lung		Congestion, Nos
	Bronchiole	Distention
		Hyperplasia, Nos
		Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_039

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Necrosis, Nos

Liver

Congestion, Chronic

Lung

Bronchus

Bronchiectasis

Congestion, Nos

Bronchus

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 11\_040

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

Hyperplasia, Nos

Inflammation, Nos

Trachea

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_042

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

Hemorrhage

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 11\_043

**TRT#:** 11  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hemorrhage

Bronchus

Inflammation, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_044

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_045

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Cast, Nos

Tubule

Dilatation, Nos

Liver

Hemorrhage

Lung

Perivascularitis

Leukocytosis, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_046

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

Necrosis, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 11\_047

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Collapse

Congestion, Nos

Emphysema, Nos

Hyperplasia, Nos

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_050

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

Hyperplasia, Nos

Inflammation, Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_051

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Calcification, Nos

Degeneration, Hyaline

Lung

Congestion, Nos

Emphysema, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_053

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Bile Duct

Congestion, Chronic

Cyst, Nos

Necrosis, Nos

Lung

Emphysema, Nos

Hemorrhage

Hyperplasia, Nos

Bronchus

Inflammation, Nos

Inflammation, Nos

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_055

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_057

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis

Congestion, Nos

Bronchiole

Distention

Emphysema, Nos

Hemorrhage

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_058

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_060

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver		Angiectasis
		Congestion, Nos
	Hepatic Sinusoid	Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
Lung		Emphysema, Nos
		Hyperplasia, Nos
Skin	Cheek	Basal-Cell Carcinoma
Trachea		Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_062

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Nos

Emphysema, Nos

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_065

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

Hemorrhage

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 11\_067

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_070

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Leukocytosis, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 11\_073

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchiole

Fibrosis

Inflammation, Obliterative

Inflammation, With Fibrosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_074

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver		Amyloidosis
Lung		Leukemia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_075

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

Hemorrhage

Hyperplasia, Nos

Necrosis, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_076

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

Hemorrhage

Hyperplasia, Nos

Necrosis, Nos

Trachea

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_078

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Emphysema, Nos

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_079

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver		Metamorphosis, Fatty Necrosis, Nos
Lung	Bronchus	Bronchiectasis Congestion, Nos Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
	Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_080

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney	Tubule	Degeneration, Hyaline
	Tubule	Dilatation, Nos
Liver	Bile Duct	Lymphocytic Inflammatory Infiltrate
		Perivascularitis
Lung		Congestion, Nos
		Edema, Interstitial
		Hemorrhage
		Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

**ANIMAL ID:** 11\_085

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Intestine Large  
Liver

Cecum, Colon

Hemorrhage  
Congestion, Nos

Lung

Bronchus  
Bronchiole

Fibrosis  
Necrosis, Nos  
Bronchiectasis  
Distention  
Emphysema, Nos  
Hyperplasia, Nos  
Hyperplasia, Papillary

Trachea

Bronchus  
Bronchus

Inflammation, Nos  
Lymphocytic Inflammatory Infiltrate  
Hyperplasia, Nos  
Lymphocytic Inflammatory Infiltrate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_087

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver	Cytoplasmic Vacuolization
Lung	Congestion, Nos
	Edema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_088

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Trachea

Congestion, Nos

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_090

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Lung

Tubule

Cortical Carcinoma

Degeneration, Nos

Congestion, Nos

Congestion, Nos

Cortical Carcinoma, Metastatic

Emphysema, Nos

Hemorrhage

Hyperplasia, Nos

Necrosis, Nos

Hyperplasia, Nos

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_091

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchiole

Distention

Emphysema, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_095

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney		Congestion, Nos
	Glomerulus	Inflammation, Nos
Liver		Necrosis, Nos
		Perivascularitis
Lung		Congestion, Nos
		Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_102

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

Emphysema, Nos

Hemorrhage

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_104

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_105

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

Hemorrhage

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_109

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

Inflammation, Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_110

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Emphysema, Nos

Hyperplasia, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_111

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Emphysema, Nos

Hyperplasia, Nos

Inflammation, Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_114

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

Fibrosis

Hyperplasia, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_119

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus  
Bronchiole

Bronchiectasis  
Distention  
Emphysema, Nos  
Hemorrhage  
Hemosiderosis  
Hyperplasia, Nos  
Inflammation, Nos  
Inflammation, Nos  
Lymphocytic Inflammatory Infiltrate  
Hyperplasia, Nos

Trachea

Bronchus

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_120

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Nos

Emphysema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_123

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis  
Congestion, Nos  
Emphysema, Nos  
Hemorrhage  
Hyperplasia, Nos  
Inflammation, Nos  
Lymphocytic Inflammatory Infiltrate  
Hyperplasia, Nos

Trachea

Bronchus  
Bronchus

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_130

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney		Degeneration, Hyaline
Liver	Bile Duct	Cyst, Nos Fibrosis
Lung	Bronchus	Bronchiectasis Congestion, Nos Emphysema, Nos Inflammation, Focal
	Bronchus	Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_132

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_135

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

Hyperplasia, Nos

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 11\_136

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_141

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney	Tubule	Cast, Bile
Liver		Hemorrhage
		Necrosis, Focal
Lung		Edema, Nos
		Hemorrhage
	Bronchus	Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_142

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hemorrhage

Hyperplasia, Nos

Bronchus

Inflammation, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_143

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney	Tubule	Degeneration, Nos
Liver	Bile Duct	Cyst, Nos
	Bile Duct	Hyperplasia, Nos
		Necrosis, Nos
Lung	Bronchus	Bronchiectasis
		Collapse
		Emphysema, Nos
		Hyperplasia, Nos
Trachea	Bronchus	Inflammation, Nos
		Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_145

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Congestion, Nos

Necrosis, Nos

Lung

Congestion, Nos

Edema, Nos

Emphysema, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_146

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_147

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
		Necrosis, Nos
Lung	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_148

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Nos

Emphysema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_150

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
		Metamorphosis, Fatty
		Necrosis, Nos
Lung		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Pneumonia, Lobar Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

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

**Time Report Requested:** 10:23:58

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

**Lab:** NA

---

**ANIMAL ID:** 11\_151

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney		Amyloidosis
Liver		Amyloidosis
Lung	Bronchus	Metamorphosis, Fatty Bronchiectasis Congestion, Nos Emphysema, Nos Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_152

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Emphysema, Nos

Metaplasia, Osseous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_154

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Lung

Pheochromocytoma

Degeneration, Nos

Emphysema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_155

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Amyloidosis

Atrophy, Nos

Atypia, Nos

Calcification, Nos

Dilatation, Nos

Fibrosis

Psammoma Bodies

Pyelonephritis, Nos

Liver

Amyloidosis

Lung

Edema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_158

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Trachea

Congestion, Nos

Hyperplasia, Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_159

**TRT#:** 11

**DOSE:** 0

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Lung

Degeneration, Nos

Congestion, Nos

Necrosis, Nos

Congestion, Nos

Edema, Nos

Emphysema, Nos

Fibrosis

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_161

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney	Glomerulus	Atrophy, Nos
	Tubule	Degeneration, Nos
Liver		Congestion, Nos
		Lymphocytic Inflammatory Infiltrate
Lung		Congestion, Nos
		Inflammation, Nos
		Metaplasia, Osseous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 11\_163

**TRT#:** 11  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Congestion, Nos  
Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_165

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Glomerulus

Atrophy, Nos

Degeneration, Hyaline

Tubule

Degeneration, Nos

Liver

Congestion, Nos

Lung

Congestion, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_166

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Calcification, Nos

Liver

Bile Duct

Nephrosis, Nos

Lung

Fibrosis

Collapse

Congestion, Nos

Emphysema, Nos

Hemorrhage

Inflammation, Nos

Metaplasia, Osseous

Bronchiole

Necrosis, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_168

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver

Degeneration, Nos

Lung

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_170

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchiole

Congestion, Nos

Distention

Trachea

Inflammation, Nos

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_171

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

Fibrosis

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_172

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney	Tubule	Cast, Nos
	Tubule	Dilatation, Nos
Liver		Congestion, Nos
	Bile Duct	Cyst, Nos
		Lymphocytic Inflammatory Infiltrate
		Metamorphosis, Fatty
Lung		Congestion, Nos
		Inflammation, Nos
Spleen		Hemangioma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_173

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Fibrosis

Hyperplasia, Nos

Bronchus

Inflammation, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_174

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis  
Congestion, Nos  
Hyperplasia, Nos  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_180

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Emphysema, Nos

Hemorrhage

Bronchus

Necrosis, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_182

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Bile Duct

Congestion, Nos

Cyst, Nos

Necrosis, Nos

Lung

Collapse

Congestion, Nos

Emphysema, Nos

Hemorrhage

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_184

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney		Atrophy, Nos
	Tubule	Degeneration, Nos
Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Edema, Nos
		Emphysema, Nos
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_185

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Interstitial

Liver

Congestion, Nos

Bile Duct

Cyst, Nos

Lung

Bronchiole

Distention

Emphysema, Nos

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 11\_189

**TRT#:** 11  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos  
Edema, Nos  
Emphysema, Nos  
Hemorrhage  
Inflammation, Nos  
Inflammation, Nos

Bronchus

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_192

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Edema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_194

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Medulla

Atrophy, Nos

Calcification, Nos

Tubule

Calcification, Nos

Tubule

Degeneration, Hyaline

Tubule

Dilatation, Nos

Liver

Fibrosis

Lung

Cytoplasmic Vacuolization

Atypia, Nos

Emphysema, Nos

Inflammation, Nos

Bronchiole

Inflammation, Obliterative

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_196

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Collapse

Emphysema, Nos

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_198

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hemorrhage

Hyperplasia, Nos

Bronchus

Inflammation, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_199

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchiole

Congestion, Nos

Distention

Emphysema, Nos

Fibrosis

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_203

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Bronchiectasis

Congestion, Nos

Bronchiole

Distention

Emphysema, Nos

Inflammation, Nos

Metaplasia, Osseous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_209

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Infarct, Nos

Kidney

Thrombosis, Nos

Tubule

Atrophy, Nos

Tubule

Calcification, Nos

Lung

Dilatation, Nos

Edema, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 11\_210

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_212

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Atrophy, Nos

Lung

Tubule

Dilatation, Nos

Bronchiole

Congestion, Nos

Distention

Emphysema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_213

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_215

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Edema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_216

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

Hemorrhage

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_217

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Atrophy, Nos

Lung

Dilatation, Nos

Trachea

Emphysema, Nos

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_219

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney	Tubule	Degeneration, Nos Inflammation, Nos
Liver		Congestion, Nos Metamorphosis, Fatty
Lung	Bronchiole	Congestion, Nos Distention
	Bronchus	Emphysema, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_221

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchus

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_223

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Fibrosis

Hyperplasia, Nos

Inflammation, Nos

Trachea

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_224

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchiole

Distention

Edema, Nos

Hemorrhage

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_228

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung

Tubule

Degeneration, Nos  
Congestion, Nos  
Edema, Nos  
Hyperplasia, Nos  
Inflammation, Nos  
Hyperplasia, Nos

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_229

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

Hemorrhage

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_230

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Nos

Emphysema, Nos

Hyperplasia, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 11\_236

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchiole

Distention

Edema, Nos

Emphysema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940  
**Test Type:** Long-Term  
**Route:** Inhalation  
**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether  
**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 10:23:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 11\_237

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchiole

Congestion, Nos

Distention

Hemorrhage

Hyperplasia, Nos

Inflammation, Nos

Metaplasia, Osseous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C06940

**Test Type:** Long-Term

**Route:** Inhalation

**Species/Strain:** Hamsters/Syrian Golden

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(Chloromethyl) ether

**CAS Number:** 542-88-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:23:58

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 11\_238

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Kidney		Atrophy, Nos Calcification, Nos
Liver	Tubule	Dilatation, Nos Congestion, Nos Fibrosis Necrosis, Nos
Lung	Bronchus	Bronchiectasis Emphysema, Nos Hemorrhage Hyperplasia, Nos Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Osseous Lymphocytic Inflammatory Infiltrate

**PRIMARY CAUSE OF DEATH**

-

**\*\* END OF REPORT \*\***

\* PROTOCOL REQUIRED TISSUE