

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

**C Number:** C01547  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Male

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_012

**TRT#:** 1  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Lung  
Peritoneum

Atrophy, Nos  
Pneumonia, Chronic Murine  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_013

**TRT#:** 1  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Liver  
Trachea

Centrilobular

Necrosis, Nos  
Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.5 ML/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_021

**TRT#:** 1  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Kidney  
Liver  
Peritoneum

Atrophy, Nos  
Hemorrhage  
Hematoma, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_022

**TRT#:** 1  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Liver		Hemorrhage
		Necrosis, Coagulative
Lung		Pneumonia, Chronic Murine
Lymph node	Mediastinal Lymph Node	Hyperplasia, Plasma Cell
Peritoneum		Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_023

**TRT#:** 1  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Lung

Atrophy, Nos  
Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.5 ML/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Lung

Lymph node

Bronchus

Atrophy, Nos

Pneumonia, Chronic Murine

Ulcer, Nos

Hyperplasia, Plasma Cell

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_025

**TRT#:** 1  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Liver

Atrophy, Nos  
Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.5 ML/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.5 ML/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.5 ML/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Atrophy, Nos

Lung

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.5 ML/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_041

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.5 ML/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_043

**TRT#:** 1  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Liver

Centrilobular

Atrophy, Nos  
Degeneration, Nos  
Hematoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_044

**TRT#:** 1  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Lung

Atrophy, Nos  
Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.5 ML/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_051

**TRT#:** 1  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Unspecified

Foot

Atrophy, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_052

**TRT#:** 1  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_053

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.5 ML/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_054

**TRT#:** 1  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Intestine Large  
  
Liver

Colon  
Colon

Atrophy, Nos  
Hemorrhage  
Ulcer, Nos  
Necrosis, Focal

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_055

**TRT#:** 1  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Peritoneum

Atrophy, Nos  
Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_061

**TRT#:** 1  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow	Atrophy, Nos
Brain	Astrocytoma
Liver	Hematoma, Nos
Lung	Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_062

**TRT#:** 1  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Lung

Atrophy, Nos  
Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_064

**TRT#:** 1  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Peritoneum

Atrophy, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_065

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.5 ML/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_071

**TRT#:** 1  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Peritoneum

Atrophy, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_072

**TRT#:** 1  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow		Atrophy, Nos
Lymph node	Mesenteric Lymph Node	Inflammation, Hemorrhagic
Peritoneum		Inflammation, Hemorrhagic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_073

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.5 ML/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Atrophy, Nos

Unspecified

Foot

Edema, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_074

**TRT#:** 1  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Liver

Atrophy, Nos  
Necrosis, Focal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_075

**TRT#:** 1  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow		Atrophy, Nos
Lung		Pneumonia, Chronic Murine
Lymph node	Mediastinal Lymph Node	Hyperplasia, Plasma Cell
Peritoneum		Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_011

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_012

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Heart  
Peritoneum

Myocardium Nos

Atrophy, Nos  
Inflammation, Interstitial  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_014

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Thrombus, Organized
Bone marrow		Atrophy, Nos
Lung		Pneumonia, Chronic Murine
Peritoneum		Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_015

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Inflammation, Chronic  
Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_021

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Peritoneum

Atrophy, Nos  
Adhesion, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_022

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Adrenal gland  
Intestine Large  
Lung  
Peritoneum

Cortex Nos  
Cecum, Colon

Hyperplasia, Nodular  
Mucinous Adenocarcinoma  
Pneumonia, Chronic Murine  
Hyperplasia, Mesothelial

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_023

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum  
Spleen

Inflammation, Chronic  
Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_031

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Ear  
Peritoneum

Canal

Keratoacanthoma  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_032

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Lung  
Peritoneum

Pneumonia, Chronic Murine  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_033

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Liver  
Peritoneum

Atrophy, Nos  
Necrosis, Coagulative  
Adhesion, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_041

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Pancreas

Inflammation, Interstitial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_042

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_043

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic  
Hemorrhage

Unspecified

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_044

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Intestine Large  
Peritoneum

Colon

Adenocarcinoma, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_045

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Lung  
Peritoneum

Atrophy, Nos  
Pneumonia, Chronic Murine  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_051

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Inflammation, Chronic  
Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_053

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Lung  
Peritoneum

Atrophy, Nos  
Pneumonia, Chronic Murine  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_054

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_061

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_062

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Lung  
Peritoneum

Pneumonia, Chronic Murine  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547

**Test Type:** Long-Term

**Route:** Intraperitoneal Injection

**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)

**CAS Number:** 3458-22-8

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

**Time Report Requested:** 13:28:48

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

**Lab:** NA

---

**ANIMAL ID:** 2\_063

**TRT#:** 2

**DOSE:** 002.5 ML/KG

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Peritoneum

Atrophy, Nos

Adhesion, Nos

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_064

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Adrenal gland  
Lung  
Peritoneum

Cortex Nos

Hyperplasia, Nodular  
Pneumonia, Chronic Murine  
Fibroma  
Fibrosarcoma  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_065

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic  
Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_071

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Kidney  
Peritoneum

Pyelonephritis, Nos  
Inflammation, Chronic  
Inflammation, Suppurative  
Inflammation, Acute Suppurative

Prostate

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**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_073

**TRT#:** 2  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Peritoneum

Atrophy, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_011

**TRT#:** 3  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Kidney  
Lung

Inflammation, Chronic  
Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_022

**TRT#:** 3  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Skin

Inflammation, Granulomatous Focal  
Keratoacanthoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_023

**TRT#:** 3  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Pituitary gland

Chromophobe Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_025

**TRT#:** 3  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_011

**TRT#:** 4  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Kidney

Inflammation, Interstitial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_012

**TRT#:** 4  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Pituitary gland

Chromophobe Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_014

**TRT#:** 4  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_015

**TRT#:** 4  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_021

**TRT#:** 4  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_025

**TRT#:** 4  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Lung Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_011

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Inflammation, Chronic  
Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_014

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Heart	Cardiac Valve	Degeneration, Nos
	Cardiac Valve	Fibrosis
Intestine Large	Cecum, Colon	Hemorrhage
	Colon	Hemorrhage
Peritoneum		Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_015

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Peritoneum

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_021

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_023

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_024

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_025

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_031

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Lung	Pleura Nos	Inflammation, Suppurative
Peritoneum		Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_033

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_034

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_035

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic  
Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_041

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_042

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic  
Hemorrhage

Unspecified

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_043

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.5 ML/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Peritoneum

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_044

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_045

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_051

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic  
Hematopoiesis

Spleen

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_052

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Intestine Large  
Peritoneum

Colon

Ulcer, Nos  
Inflammation, Chronic  
Inflammation, Suppurative  
Hemorrhage

Unspecified

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_053

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_054

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic  
Hemorrhage

Unspecified

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_055

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic  
Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_061

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Bone marrow  
Peritoneum

Atrophy, Nos  
Adhesion, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_062

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_063

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_064

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_065

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.5 ML/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Peritoneum

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_071

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_072

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Lung	Pneumonia, Chronic Murine
Peritoneum	Adhesion, Nos
	Inflammation, Chronic
Spleen	Hematopoiesis
Unspecified	Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_073

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Brain  
Peritoneum

Astrocytoma  
Adhesion, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_074

**TRT#:** 5  
**DOSE:** 002.5 ML/KG

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

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

---

**OBSERVATIONS**

Peritoneum

Adhesion, Nos  
Inflammation, Chronic  
Inflammation, Suppurative  
Inflammation, Hemorrhagic

Unspecified

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_011

**TRT#:** 6  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Skin  
Thyroid

Inflammation, Chronic Suppurative  
Cystic Follicles

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_012

**TRT#:** 6  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Spleen  
Unspecified

Hematopoiesis  
Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_013

**TRT#:** 6  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Bone marrow  
Kidney

Atrophy, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_021

**TRT#:** 6  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Unspecified

Cyst, Epidermal Inclusion

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_022

**TRT#:** 6  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Bone marrow  
Kidney  
Trachea

Atrophy, Nos  
Inflammation, Chronic  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_023

**TRT#:** 6  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Bone marrow  
Kidney  
Mammary gland  
Trachea

Atrophy, Nos  
Inflammation, Chronic  
Adenocarcinoma, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_024

**TRT#:** 6  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Mammary gland

Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_025

**TRT#:** 6  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Lung Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 7\_011

**TRT#:** 7  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Kidney  
Trachea

Inflammation, Chronic  
Inflammation, Chronic Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 7\_014

**TRT#:** 7  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Bone marrow  
Kidney

Atrophy, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 7\_015

**TRT#:** 7  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Bone marrow  
Kidney  
Parathyroid gland

Atrophy, Nos  
Inflammation, Chronic  
Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 7\_021

**TRT#:** 7  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Bone marrow  
Kidney

Atrophy, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 7\_022

**TRT#:** 7  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Kidney  
Skin

Inflammation, Chronic  
Inflammation, With Fibrosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 7\_023

**TRT#:** 7  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Bone marrow

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 7\_024

**TRT#:** 7  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Ear	Canal	Squamous Cell Carcinoma
Kidney		Inflammation, Chronic
		Nephrosis, Hydro
Skin	Groin	Hyperkeratosis
	Groin	Parakeratosis
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01547  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** IPD (3,3'-iminobis-1-propanol dimethanesulfonate (ester) hydrochloride)  
**CAS Number:** 3458-22-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:28:48  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 7\_025

**TRT#:** 7  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Bone marrow

Atrophy, Nos

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PRIMARY CAUSE OF DEATH

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