

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(AziridinyI)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

<b>C Number:</b>	C01649
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Male

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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<b>ANIMAL ID:</b> 2_011	<b>TRT#:</b> 2 <b>DOSE:</b> 002.5 ML/KG	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> <b>HISTO:</b>
<b>OBSERVATIONS</b>			
Skin	Cheek	Squamous Cell Carcinoma	
Spleen		Hematopoiesis	
Unspecified	Multiple Organs Nos	Squamous Cell Carcinoma, Metastatic	
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_012

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

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

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

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**OBSERVATIONS**

Kidney	Calculus, Unknown Gross Or Micro Inflammation, Interstitial
Lung	Bronchopneumonia Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_014

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

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

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

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**OBSERVATIONS**

Liver		Carcinoma, Nos
Skin	Ear	Keratin-Pearl Formation

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_015

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

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

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

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Leukemia, Lymphocytic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_021

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

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

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

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**OBSERVATIONS**

Bone marrow

Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Unspecified

Multiple Organs Nos

Leukemia, Lymphocytic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_023

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

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

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

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**OBSERVATIONS**

Bone marrow  
Kidney  
Lung  
Pituitary gland

Bronchiole

Atrophy, Nos  
Inflammation, Interstitial  
Hyperplasia, Plasma Cell  
Chromophobe Adenoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_024

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

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

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

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**OBSERVATIONS**

Bone marrow  
Lung

Atrophy, Nos  
Bronchopneumonia Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_025

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

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

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

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**OBSERVATIONS**

Bone marrow

Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_031

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

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

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

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**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Leukemia, Lymphocytic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_032

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

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

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

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**OBSERVATIONS**

Liver	Angiectasis
Lung	Bronchopneumonia Chronic Suppurative
	Hyperplasia, Plasma Cell
	Metaplasia, Squamous

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_033

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

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

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

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**OBSERVATIONS**

Bone marrow  
Lung

Atrophy, Nos  
Bronchopneumonia Chronic Suppurative  
Metaplasia, Squamous

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_034

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

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

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

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**OBSERVATIONS**

Lung		Bronchopneumonia Suppurative
Unspecified	Multiple Organs Nos	Leukemia, Granulocytic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_035

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

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

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

---

**OBSERVATIONS**

Bone marrow  
Kidney  
Lung

Atrophy, Nos  
Inflammation, Interstitial  
Alveolar/Bronchiolar Adenoma  
Bronchopneumonia Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_043

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

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

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

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**OBSERVATIONS**

Lung  
Bronchopneumonia Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_044

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

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

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

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**OBSERVATIONS**

Bone marrow

Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_052

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

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

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

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**OBSERVATIONS**

Skin

Basal-Cell Carcinoma

Unspecified

Multiple Organs Nos

Leukemia, Lymphocytic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_053

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

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

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

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**OBSERVATIONS**

Bone marrow  
Lung

Atrophy, Nos  
Abscess, Chronic  
Bronchopneumonia Suppurative  
Sarcoma, Nos

Unspecified                      Abdominal Cavity

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_054

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

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

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

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**OBSERVATIONS**

Lung  
Bronchopneumonia Chronic Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_055

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

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

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

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**OBSERVATIONS**

Lung		Bronchopneumonia Suppurative
Unspecified	Multiple Organs Nos	Leukemia, Lymphocytic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_061

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

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

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

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**OBSERVATIONS**

Eye	Conjunctiva	Inflammation, Chronic Suppurative
Lung	Bronchiole	Hyperplasia, Plasma Cell
Skin		Cyst, Dermal Inclusion
	Face	Squamous Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_062

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

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

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

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**OBSERVATIONS**

Kidney	Inflammation, Interstitial
Lung	Bronchopneumonia Chronic Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_065

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

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

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

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**OBSERVATIONS**

Ear	Canal	Squamous Cell Carcinoma
Kidney		Inflammation, Interstitial
Lung		Squamous Cell Carcinoma, Metastatic
Skin	Face	Squamous Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_071

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

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

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

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**OBSERVATIONS**

Kidney  
Lung

Inflammation, Interstitial  
Bronchopneumonia Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_072

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

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

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

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**OBSERVATIONS**

Lung  
Bronchopneumonia Chronic Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_073

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

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

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

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**OBSERVATIONS**

Intestine Large  
Lung

Cecum, Colon

Thrombosis, Nos  
Bronchopneumonia Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_074

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

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

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

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**OBSERVATIONS**

Bone marrow

Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_075

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

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

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

---

**OBSERVATIONS**

Bone marrow  
Brain  
Kidney  
Lung

Atrophy, Nos  
Sarcoma, Nos  
Inflammation, Interstitial  
Bronchopneumonia Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_011

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

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

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

---

**OBSERVATIONS**

Bone marrow

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_012

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

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

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

---

**OBSERVATIONS**

Kidney

Inflammation, Interstitial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_014

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

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

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

---

**OBSERVATIONS**

Bone marrow  
Kidney  
Skin

Ear

Atrophy, Nos  
Inflammation, Interstitial  
Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_015

**TRT#:** 3  
**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:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_021

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

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

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

---

**OBSERVATIONS**

Bone marrow  
Kidney  
Lung

Bronchiole

Atrophy, Nos  
Inflammation, Interstitial  
Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Trachea

Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Bone marrow  
Kidney  
Mammary gland

Atrophy, Nos  
Inflammation, Interstitial  
Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_024

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

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

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

---

**OBSERVATIONS**

Lung  
Unspecified

Bronchopneumonia Suppurative  
Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_011

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

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

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

---

**OBSERVATIONS**

Bone marrow

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Kidney

Inflammation, Interstitial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_013

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

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

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

---

**OBSERVATIONS**

Lung	Bronchiole	Hyperplasia, Lymphoid
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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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, Interstitial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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  
Mammary gland

Inflammation, Interstitial  
Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Trachea

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_022

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

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

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

---

**OBSERVATIONS**

Bone marrow  
Kidney  
Liver

Bile Duct

Atrophy, Nos  
Inflammation, Interstitial  
Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_023

**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:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_024

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

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

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

---

**OBSERVATIONS**

Kidney  
Mammary gland

Inflammation, Suppurative  
Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Kidney

Inflammation, Interstitial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Kidney  
Trachea

Inflammation, Chronic  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_012

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

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

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

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Leukemia, Lymphocytic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_013

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

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

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

---

**OBSERVATIONS**

Bone marrow		Atrophy, Nos
Heart	Myocardium Nos	Calcification, Metastatic
	Myocardium Nos	Inflammation, Interstitial
Kidney		Calcification, Metastatic
		Inflammation, Chronic
Stomach	Mucosa	Calcification, Metastatic
Testis		Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_014

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

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

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

---

**OBSERVATIONS**

Bone marrow  
Peritoneum

Atrophy, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_015

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

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

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

---

**OBSERVATIONS**

Bone marrow		Atrophy, Nos
Brain		Astrocytoma
Kidney		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Reticulum Cell
Testis		Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Intestine Small  
Kidney  
Testis  
Unspecified

Mesentery Nos  
  
Adipose Tissue  
Neck

Necrosis, Fat  
Inflammation, Chronic  
Atrophy, Nos  
Inflammation, Granulomatous  
Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_022

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

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

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

---

**OBSERVATIONS**

Spleen  
Unspecified

Multiple Organs Nos

Hematopoiesis  
Leukemia, Granulocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_023

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

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

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

---

**OBSERVATIONS**

Bone marrow

Skin

Cheek

Cheek

Back

Testis

Atrophy, Nos

Cyst, Epidermal Inclusion

Squamous Cell Carcinoma

Trichoepithelioma

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_024

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

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

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

---

**OBSERVATIONS**

Testis

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_025

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

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

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

---

**OBSERVATIONS**

Ear	Middle Ear Canal	Inflammation, Suppurative Squamous Cell Papilloma
Lung		Bronchopneumonia Chronic Suppurative
Skin	Ear	Abscess, Chronic
	Ear	Inflammation, Suppurative
Testis		Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_031

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

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

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

---

**OBSERVATIONS**

Bone marrow  
Kidney  
Testis

Atrophy, Nos  
Inflammation, Chronic  
Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Bone marrow		Atrophy, Nos
Kidney		Inflammation, Chronic
Lung		Hemorrhage
Testis		Atrophy, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Ear	Middle Ear Canal	Inflammation, Chronic Suppurative Squamous Cell Carcinoma
Kidney		Inflammation, Chronic
Spleen		Hematopoiesis
Testis		Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Bone marrow		Atrophy, Nos
Kidney		Inflammation, Chronic
Lung		Bronchopneumonia Suppurative
Nasal cavity		Carcinoma, Nos
Skin	Upper Eyelid	Squamous Cell Papilloma
Testis		Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_041

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

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

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

---

**OBSERVATIONS**

Bone marrow  
Kidney  
Testis  
Unspecified

Atrophy, Nos  
Inflammation, Chronic  
Atrophy, Nos  
Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Skin

Hyperkeratosis  
Keratin-Pearl Formation  
Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_043

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

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

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

---

**OBSERVATIONS**

Eye

Hemorrhage  
Inflammation, Suppurative

Intestine Large

Cornea

Ulcer, Chronic

Unspecified

Colon

Hemorrhage

Multiple Organs Nos

Leukemia, Granulocytic

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Bone marrow  
Kidney  
Spleen

Atrophy, Nos  
Inflammation, Chronic  
Angiectasis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Bone marrow  
Kidney  
Unspecified

Neck

Atrophy, Nos  
Inflammation, Chronic  
Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_052

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

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

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

---

**OBSERVATIONS**

Kidney

Hamartoma  
Inflammation, Chronic

Testis

Atrophy, Nos

Unspecified

Neck

Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(AziridinyI)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 5\_053

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

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

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

**OBSERVATIONS**

Bone marrow		Atrophy, Nos
Esophagus		Inflammation, Suppurative Ulcer, Nos
Kidney		Inflammation, Chronic
Lung	Pleura Nos	Inflammation, Suppurative Inflammation, Suppurative
Lymph node	Mesenteric Lymph Node	Cytomegaly
Spleen	Mesenteric Lymph Node	Inflammation, Granulomatous Atrophy, Nos Hematopoiesis Inflammation, Necrotizing
Testis		Atrophy, Nos

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(AziridinyI)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 5\_054

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

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

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

**OBSERVATIONS**

Bone marrow		Atrophy, Nos
Kidney		Inflammation, Chronic
Lung		Metaplasia, Squamous
Pituitary gland		Chromophobe Adenoma
Skin		Cyst, Epidermal Inclusion
	Face	Squamous Cell Carcinoma
Testis		Atrophy, Nos
Unspecified	Chest	Fibroma
	Tail	Fibrosarcoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Bone marrow  
Brain  
Kidney

Cranial Cavity

Atrophy, Nos  
Sarcoma, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_061

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

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

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

---

**OBSERVATIONS**

Unspecified

Mediastinum Nos

Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_062

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 002.5 ML/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Atrophy, Nos

Kidney

Inflammation, Chronic

Skin

Nose

Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Intestine Small

Mesentery Nos

Sarcoma, Nos

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Bone marrow  
Intestine Small  
Kidney  
Lymph node

Mesentery Nos  
  
Mandibular Lymph Node  
Mesenteric Lymph Node

Atrophy, Nos  
Sarcoma, Nos  
Inflammation, Chronic  
Congestion, Nos  
Congestion, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_065

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

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

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

---

**OBSERVATIONS**

Kidney  
Unspecified

Multiple Organs Nos

Inflammation, Chronic  
Leukemia, Lymphocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Kidney  
Pancreas

Inflammation, Chronic  
Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Ear  
Kidney  
Unspecified

Canal

Squamous Cell Carcinoma  
Inflammation, Chronic  
Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_073

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

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

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

---

**OBSERVATIONS**

Bone marrow  
Kidney  
Lung  
Trachea

Atrophy, Nos  
Inflammation, Chronic  
Bronchopneumonia Chronic Suppurative  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Adrenal gland  
Kidney  
Lung

Angiectasis  
Inflammation, Chronic  
Bronchopneumonia Chronic Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_075

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

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

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

---

**OBSERVATIONS**

Kidney  
Mammary gland

Inflammation, Chronic  
Adenocarcinoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_081

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

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

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

---

**OBSERVATIONS**

Liver		Hemorrhage
Lung		Bronchopneumonia Suppurative
Unspecified	Multiple Organs Nos	Leukemia, Lymphocytic

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_082

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

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

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

---

**OBSERVATIONS**

Ear	Canal	Squamous Cell Carcinoma
Kidney		Inflammation, Chronic
Skin	Groin	Squamous Cell Carcinoma
Spleen		Hematopoiesis
Unspecified	Neck	Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_083

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

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

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

---

**OBSERVATIONS**

Bone marrow  
Brain  
Kidney

Atrophy, Nos  
Olfactory Neuroblastoma  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 5\_084

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

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

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

---

**OBSERVATIONS**

Brain	Neuroblastoma
Kidney	Inflammation, Chronic
Testis	Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Bone marrow  
Kidney  
Mammary gland  
Pituitary gland  
Trachea

Atrophy, Nos  
Inflammation, Chronic  
Cyst, Nos  
Chromophobe Adenoma  
Inflammation, Chronic Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_012

**TRT#:** 6  
**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:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Kidney

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_014

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

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

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

---

**OBSERVATIONS**

Bone marrow  
Skin

Atrophy, Nos  
Squamous Cell Papilloma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_015

**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**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Kidney

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Kidney

Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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  
Pituitary gland  
Skin

Epidermis

Atrophy, Nos  
Inflammation, Chronic  
Chromophobe Adenoma  
Ulcer, Chronic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Bone marrow  
Kidney  
Pituitary gland

Atrophy, Nos  
Inflammation, Chronic  
Chromophobe Adenoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 6\_025

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

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

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

---

**OBSERVATIONS**

Bone marrow  
Kidney  
Pituitary gland  
Prostate

Atrophy, Nos  
Inflammation, Chronic  
Chromophobe Carcinoma  
Inflammation, Chronic Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 7\_013

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

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

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

---

**OBSERVATIONS**

Bone marrow  
Kidney  
Trachea

Atrophy, Nos  
Inflammation, Chronic  
Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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

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**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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

Atrophy, Nos  
Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Liver  
Testis

Hyperplasia, Nodular  
Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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		Inflammation, Chronic
Lung	Bronchus	Bronchiectasis
Prostate		Inflammation, Chronic Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**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**

Kidney  
Pituitary gland

Inflammation, Chronic  
Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01649  
**Test Type:** Long-Term  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Rat/Sprague Dawley

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** tris(Aziridinyl)-phosphine sulfide (thio-tepa)  
**CAS Number:** 52-24-4

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:19:50  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 7\_025

**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**

-

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