

Experiment Number: 143583

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: S-(ethyl)chlorothioformic acid

CAS Number: 2941-64-2

Date Report Requested: 09/12/2018

Time Report Requested: 14:07:01

**NTP Study Number:**

143583

**Study Result:**

Negative

Experiment Number: 143583

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: S-(ethyl)chlorothioformic acid  
CAS Number: 2941-64-2

Date Report Requested: 09/12/2018

Time Report Requested: 14:07:01

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	120 ± 12.4	142 ± 11.3	134 ± 4.5	113 ± 7.8	116 ± 23.6
3.0		144 ± 7.5			
10.0	118 ± 8.8	119 ± 7.6	132 ± 3.8		132 ± 12.3
33.0	111 ± 1.5	123 ± 4.7	129 ± 4.4	132 ± 3.4	126 ± 15.9
100.0	111 ± 6.2	129 ± 4.3	120 ± 4.3	138 ± 5.9	112 ± 7.1
333.0	87 ± 8.2	111 ± 6.1	118 ± 8.1	141 ± 6.2	134 ± 15.2
666.0	2 ± 1.7 <sup>s</sup>		110 ± 6.2		92 ± 2.2
1000.0				82 ± 11.8 <sup>p</sup>	
1666.0				9 ± 1.5 <sup>p</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					727 ± 23.4
Positive Control <sup>3</sup>			530 ± 9.3		
Positive Control <sup>4</sup>	420 ± 10.3	499 ± 13.5			
Positive Control <sup>5</sup>				413 ± 6.8	

Experiment Number: 143583

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: S-(ethyl)chlorothioformic acid  
CAS Number: 2941-64-2

Date Report Requested: 09/12/2018

Time Report Requested: 14:07:01

---

**Strain: TA100**

---

<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	112 ± 4.8
3.0	
10.0	
33.0	138 ± 14.6
100.0	158 ± 9.7
333.0	144 ± 10.3
666.0	
1000.0	48 ± 1.7 <sup>p</sup>
1666.0	13 ± 0.6 <sup>x</sup>
Trial Summary	Equivocal
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	397 ± 9.8
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

Experiment Number: 143583

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: S-(ethyl)chloroethioformic acid  
CAS Number: 2941-64-2

Date Report Requested: 09/12/2018

Time Report Requested: 14:07:01

## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	19 ± 0.9	22 ± 1.7	8 ± 2.0	14 ± 1.5	8 ± 0.9
3.0		20 ± 2.5	9 ± 1.5		
10.0	23 ± 4.3	16 ± 1.8	9 ± 0.3	13 ± 1.2	7 ± 1.0
33.0	26 ± 1.2	20 ± 1.7	9 ± 1.2	10 ± 2.1	6 ± 1.8
100.0	25 ± 0.9	20 ± 0.9	11 ± 0.3	12 ± 2.3	7 ± 0.6
333.0	12 ± 2.5	17 ± 2.6	10 ± 0.6	9 ± 1.8	9 ± 2.3
666.0	Toxic				
1000.0				7 ± 1.5 <sup>p</sup>	4 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					220 ± 19.1
Positive Control <sup>4</sup>	308 ± 5.1	400 ± 23.4			
Positive Control <sup>6</sup>			251 ± 8.9		
Positive Control <sup>7</sup>				193 ± 23.5	

Experiment Number: 143583

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: S-(ethyl)chlorothioformic acid  
CAS Number: 2941-64-2

Date Report Requested: 09/12/2018

Time Report Requested: 14:07:01

---

**Strain: TA1535**

---

<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	11 ± 0.9
3.0	
10.0	12 ± 1.8
33.0	12 ± 1.8
100.0	10 ± 1.2
333.0	10 ± 1.2
666.0	
1000.0	7 ± 2.0 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>6</sup>	624 ± 44.9
Positive Control <sup>7</sup>	

Experiment Number: 143583

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: S-(ethyl)chlorothioformic acid

CAS Number: 2941-64-2

Date Report Requested: 09/12/2018

Time Report Requested: 14:07:01

**Strain: TA1537**

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 0.6	7 ± 1.2	7 ± 1.7
10.0	4 ± 0.3	12 ± 1.2	8 ± 2.1
33.0	5 ± 0.3	5 ± 0.6	6 ± 1.8
100.0	7 ± 0.3	5 ± 1.2	6 ± 1.5
333.0	9 ± 2.3	3 ± 0.9	5 ± 0.3
666.0	Toxic		
1000.0		6 ± 0.3 <sup>p</sup>	2 ± 1.0 <sup>p</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>3</sup>			37 ± 2.9
Positive Control <sup>6</sup>		42 ± 0.9	
Positive Control <sup>8</sup>	414 ± 7.0		

Experiment Number: 143583

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: S-(ethyl)chloroethioformic acid  
CAS Number: 2941-64-2

Date Report Requested: 09/12/2018

Time Report Requested: 14:07:01

## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	115 ± 1.2	189 ± 10.5	179 ± 9.9	157 ± 5.5	132 ± 10.5
3.0		193 ± 10.2	178 ± 3.4		
10.0	110 ± 12.4	193 ± 10.6	198 ± 3.8	164 ± 1.2	151 ± 13.2
33.0	100 ± 2.6	204 ± 3.8	182 ± 2.6	160 ± 9.3	171 ± 12.9
100.0	104 ± 3.5	205 ± 7.7	173 ± 11.2	142 ± 10.4	169 ± 4.0
166.0		185 ± 11.7			
333.0	61 ± 9.2		180 ± 7.1	116 ± 3.8	150 ± 7.0
666.0	Toxic				
1000.0				117 ± 5.5 <sup>p</sup>	129 ± 7.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					345 ± 50.9
Positive Control <sup>3</sup>			509 ± 26.4		
Positive Control <sup>6</sup>				432 ± 14.9	
Positive Control <sup>8</sup>	554 ± 76.6	679 ± 34.4			

Experiment Number: 143583

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: S-(ethyl)chlorothioformic acid  
CAS Number: 2941-64-2

Date Report Requested: 09/12/2018

Time Report Requested: 14:07:01

---

**Strain: TA97**

---

<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	159 ± 7.2
3.0	
10.0	165 ± 9.5
33.0	174 ± 11.2
100.0	182 ± 4.5
166.0	
333.0	152 ± 4.8
666.0	
1000.0	168 ± 2.7 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	327 ± 9.0
Positive Control <sup>6</sup>	
Positive Control <sup>8</sup>	



Experiment Number: 143583

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: S-(ethyl)chloroethioformic acid  
CAS Number: 2941-64-2

Date Report Requested: 09/12/2018

Time Report Requested: 14:07:01

## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	21 ± 2.5	17 ± 0.9	27 ± 6.2	25 ± 3.8	22 ± 3.8
3.0		19 ± 4.3			
10.0	18 ± 3.0	17 ± 2.3	32 ± 4.6		24 ± 5.5
33.0	19 ± 2.6	15 ± 2.3	27 ± 1.3	37 ± 2.5	29 ± 1.5
100.0	16 ± 0.6	13 ± 1.9	18 ± 4.7	23 ± 2.4	26 ± 2.3
333.0	13 ± 0.0	14 ± 0.7	22 ± 2.2	26 ± 6.1	25 ± 1.5
666.0	Toxic		30 ± 3.2		25 ± 2.5
1000.0				5 ± 1.5 <sup>p</sup>	
1666.0				0 ± 0.0 <sup>x</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					589 ± 65.6
Positive Control <sup>3</sup>			349 ± 9.5	95 ± 9.9	
Positive Control <sup>9</sup>	443 ± 13.3	585 ± 32.7			

Experiment Number: 143583

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: S-(ethyl)chlorothioformic acid  
CAS Number: 2941-64-2

Date Report Requested: 09/12/2018

Time Report Requested: 14:07:01

---

**Strain: TA98**

---

<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	23 ± 1.5
3.0	
10.0	
33.0	29 ± 1.2
100.0	17 ± 3.2
333.0	19 ± 1.2
666.0	
1000.0	7 ± 0.6 <sup>p</sup>
1666.0	1 ± 0.7 <sup>x</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	238 ± 18.7
Positive Control <sup>9</sup>	

Experiment Number: 143583

Test Type: **Genetic Toxicology - Bacterial  
Mutagenicity**

**G06: Ames Summary Data**

Test Compound: **S-(ethyl)chlorothioformic acid**

CAS Number: 2941-64-2

Date Report Requested: 09/12/2018

Time Report Requested: 14:07:01

**LEGEND**

---

Values given as Mean or Mean  $\pm$  Standard Error Mean

The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations

CAS Number = Chemical Abstracts Service registry number

1: Vehicle Control: Dimethyl Sulfoxide

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.0 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate 2-Aminoanthracene

7: 5.0 ug/Plate 2-Aminoanthracene

8: 50.0 ug/Plate 9-Aminoacridine

9: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

s: Slight Toxicity

x: Slight Toxicity and Precipitate

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