

Experiment Number: 732838

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: S-(n-propyl)chlorothioformic acid

CAS Number: 13889-92-4

Date Report Requested: 09/17/2018

Time Report Requested: 04:55:03

**NTP Study Number:**

732838

**Study Result:**

Positive

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Strain: TA100				
Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	94 ± 5.5	184 ± 2.6	109 ± 2.9	103 ± 2.9
0.3		158 ± 13.5		
1.0	104 ± 13.1	168 ± 5.0		
3.0	124 ± 9.1	175 ± 4.3		
10.0	126 ± 12.4	164 ± 5.7	89 ± 1.8	113 ± 12.7
16.0		168 ± 8.7		
33.0	10 ± 0.9 <sup>s</sup>		106 ± 14.5	101 ± 5.8
100.0	Toxic		118 ± 8.7	81 ± 3.9
333.0			104 ± 3.8	107 ± 3.7
666.0				59 ± 15.5 <sup>s</sup>
1000.0			57 ± 3.2 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>				592 ± 45.5
Positive Control <sup>3</sup>	352 ± 7.2	378 ± 16.0		
Positive Control <sup>4</sup>			460 ± 41.0	

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## Strain: TA1535

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	19 ± 1.2	14 ± 0.6	11 ± 1.2	7 ± 1.2	15 ± 3.5
0.3	17 ± 1.2				
1.0	14 ± 1.2				
3.0	19 ± 0.9				
10.0	22 ± 5.5	13 ± 1.0			11 ± 1.7
33.0	10 ± 2.2	15 ± 1.9			11 ± 4.0
100.0		12 ± 0.7	14 ± 3.4	19 ± 1.8	11 ± 4.1
166.0			17 ± 3.8	18 ± 2.4	
333.0		10 ± 2.2	17 ± 1.0	27 ± 0.3	30 ± 0.9
666.0			11 ± 0.7	23 ± 3.6	46 ± 1.8
1000.0		14 ± 2.1	10 ± 2.0 <sup>s</sup>	13 ± 1.7 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Weakly Positive	Positive
Positive Control <sup>2</sup>			185 ± 7.3	212 ± 42.6	
Positive Control <sup>3</sup>	445 ± 15.3				
Positive Control <sup>4</sup>					359 ± 42.7
Positive Control <sup>5</sup>		109 ± 4.1			

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	7 ± 2.0	13 ± 1.7
0.3		
1.0		
3.0		
10.0		
33.0		
100.0	10 ± 1.9	12 ± 2.8
166.0	16 ± 1.5	15 ± 3.2
333.0	36 ± 0.3	31 ± 3.5
666.0	52 ± 1.2	43 ± 5.9
1000.0	47 ± 3.7	57 ± 8.5
Trial Summary	Positive	Positive
Positive Control <sup>2</sup>		
Positive Control <sup>3</sup>		
Positive Control <sup>4</sup>	403 ± 13.1	404 ± 22.2
Positive Control <sup>5</sup>		

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## Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	8 ± 0.6	8 ± 2.0	10 ± 0.3
0.3	9 ± 2.5		
1.0	6 ± 0.6		
3.0	5 ± 0.7		
10.0	9 ± 3.5	7 ± 2.0	10 ± 2.8
33.0	3 ± 0.9	6 ± 2.5	9 ± 0.6
100.0		7 ± 0.9	10 ± 2.3
333.0		8 ± 0.9	12 ± 0.7
666.0			8 ± 2.6
1000.0		10 ± 0.9	
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>			66 ± 1.8
Positive Control <sup>4</sup>		43 ± 1.2	
Positive Control <sup>6</sup>	194 ± 12.9		

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## Strain: TA97

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	163 ± 11.2	226 ± 5.2	190 ± 13.6
0.3	188 ± 8.7		
1.0	173 ± 16.8		
3.0	177 ± 14.7		
10.0	175 ± 19.4	211 ± 8.0	201 ± 18.9
33.0	178 ± 18.2	207 ± 3.0	223 ± 3.3
100.0		214 ± 9.2	218 ± 7.4
333.0		185 ± 5.8	204 ± 11.6
666.0			158 ± 28.7
1000.0		178 ± 13.7	
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>			427 ± 7.4
Positive Control <sup>4</sup>		404 ± 1.7	
Positive Control <sup>6</sup>	507 ± 26.0		

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## Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	15 ± 1.2	43 ± 0.6	24 ± 3.6
1.0	17 ± 1.5		
3.0	17 ± 3.4		
10.0	15 ± 2.7	44 ± 2.8	25 ± 2.1
33.0	13 ± 0.9 <sup>s</sup>	35 ± 2.9	24 ± 2.2
100.0	0 ± 0.0 <sup>s</sup>	36 ± 2.9	21 ± 1.7
333.0		28 ± 2.0	26 ± 2.7
666.0			25 ± 2.3
1000.0		20 ± 2.9	
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>		98 ± 16.6	224 ± 9.3
Positive Control <sup>7</sup>	519 ± 52.6		

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**LEGEND**

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate 2-Aminoanthracene

6: 50.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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