

Experiment Number: 031388

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 3,3'-Iminobis(propylamine)

CAS Number: 56-18-8

Date Report Requested: 09/14/2018

Time Report Requested: 19:18:48

**NTP Study Number:**

031388

**Study Result:**

Negative

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	88 ± 4.7	119 ± 11.6	97 ± 7.9	112 ± 6.7	102 ± 7.2
33.0		112 ± 1.3		124 ± 6.7	
100.0	118 ± 9.5	117 ± 3.6	119 ± 8.6	124 ± 14.6	116 ± 4.1
333.0	118 ± 13.4	115 ± 9.2	122 ± 11.6	123 ± 6.5	122 ± 19.1
1000.0	127 ± 6.9	91 ± 7.8	117 ± 5.4	104 ± 5.0	117 ± 4.3
1666.0		98 ± 3.5		91 ± 11.5	
3333.0	19 ± 18.7 <sup>s</sup>		100 ± 6.1		124 ± 9.5
10000.0	0 ± 0.0 <sup>s</sup>		77 ± 4.9 <sup>s</sup>		114 ± 7.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	341 ± 15.0	260 ± 14.2			
Positive Control <sup>3</sup>			834 ± 34.7	554 ± 31.1	1821 ± 35.7

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	115 ± 11.8
33.0	124 ± 3.8
100.0	126 ± 10.5
333.0	100 ± 5.5
1000.0	99 ± 8.9
1666.0	98 ± 5.5 <sup>s</sup>
3333.0	
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	1029 ± 74.8

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	25 ± 4.4	40 ± 5.2	23 ± 1.2	8 ± 2.3	8 ± 1.0
33.0		17 ± 2.3	23 ± 2.6		11 ± 1.9
100.0	42 ± 5.0	20 ± 3.1	31 ± 0.9	8 ± 1.0	8 ± 1.0
333.0	45 ± 3.0	20 ± 2.6	28 ± 0.9	12 ± 1.5	6 ± 0.0
1000.0	33 ± 2.3	12 ± 2.4	28 ± 1.5	8 ± 0.9	7 ± 2.4
1666.0		19 ± 1.2	28 ± 2.3		7 ± 1.2
3333.0	5 ± 1.0 <sup>s</sup>			2 ± 2.3 <sup>s</sup>	
10000.0	0 ± 0.0 <sup>s</sup>			0 ± 0.0 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	326 ± 10.7	375 ± 173.0	274 ± 13.1		
Positive Control <sup>4</sup>				272 ± 19.3	155 ± 9.3

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	7 ± 0.3	10 ± 2.0
33.0		10 ± 1.2
100.0	11 ± 1.5	12 ± 4.3
333.0	11 ± 2.5	9 ± 1.8
1000.0	11 ± 1.9	15 ± 5.8
1666.0		8 ± 1.5
3333.0	12 ± 2.0 <sup>s</sup>	
10000.0	0 ± 0.0 <sup>s</sup>	
Trial Summary	Negative	Negative
Positive Control <sup>2</sup>		
Positive Control <sup>4</sup>	535 ± 7.5	489 ± 46.3

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## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	4 ± 0.7	5 ± 0.9	7 ± 0.9	5 ± 1.2	13 ± 0.9
33.0		5 ± 0.9		9 ± 3.7	
100.0	6 ± 1.0	4 ± 0.3	7 ± 1.0	5 ± 0.9	6 ± 0.6
333.0	7 ± 1.2	5 ± 0.7	9 ± 2.8	4 ± 0.9	7 ± 0.9
1000.0	6 ± 1.3	5 ± 0.9	7 ± 2.7	5 ± 1.5	6 ± 1.2
1666.0		3 ± 1.0		2 ± 0.9 <sup>s</sup>	
3333.0	0 ± 0.0 <sup>s</sup>		2 ± 1.2 <sup>s</sup>		3 ± 1.8 <sup>s</sup>
10000.0	0 ± 0.0 <sup>s</sup>		0 ± 0.0 <sup>s</sup>		0 ± 0.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			215 ± 12.0	139 ± 8.0	328 ± 25.3
Positive Control <sup>5</sup>	101 ± 8.8	145 ± 22.0			

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	11 ± 1.0
33.0	5 ± 0.3
100.0	4 ± 0.6
333.0	5 ± 1.3
1000.0	4 ± 1.5
1666.0	4 ± 0.9 <sup>s</sup>
3333.0	
10000.0	
Trial Summary	Negative
Positive Control <sup>4</sup>	508 ± 24.3
Positive Control <sup>5</sup>	

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	14 ± 1.2	19 ± 2.7	39 ± 3.0	23 ± 1.7	33 ± 2.4
33.0		15 ± 0.3		22 ± 3.2	
100.0	18 ± 1.2	18 ± 3.7	30 ± 1.3	23 ± 3.0	32 ± 3.6
333.0	19 ± 3.3	14 ± 2.8	33 ± 1.8	17 ± 0.3	34 ± 1.7
1000.0	19 ± 1.5	16 ± 1.2	30 ± 3.8	23 ± 3.7	34 ± 2.7
1666.0		12 ± 1.9		18 ± 4.9	
3333.0	3 ± 1.7 <sup>s</sup>		9 ± 2.9 <sup>s</sup>		13 ± 2.0 <sup>s</sup>
10000.0	0 ± 0.0 <sup>s</sup>		0 ± 0.0 <sup>s</sup>		6 ± 1.5 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			785 ± 63.2	493 ± 23.4	1594 ± 28.5
Positive Control <sup>6</sup>	490 ± 7.8	1064 ± 5.0			



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	34 ± 1.3
33.0	25 ± 4.3
100.0	30 ± 5.9
333.0	25 ± 2.4
1000.0	21 ± 2.3
1666.0	19 ± 3.5 <sup>s</sup>
3333.0	
10000.0	
Trial Summary	Negative
Positive Control <sup>3</sup>	2031 ± 79.1
Positive Control <sup>6</sup>	

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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: Water

2: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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