

Experiment Number: 848778

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Ethyl 3-phenylglycidate

CAS Number: 121-39-1

Date Report Requested: 09/19/2018

Time Report Requested: 15:49:57

**NTP Study Number:**

848778

**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>	180 ± 3.0	100 ± 3.5	151 ± 6.8	82 ± 11.8	146 ± 5.2
10.0	170 ± 2.4	87 ± 6.7			
33.0	173 ± 0.3	102 ± 7.5	132 ± 3.8	90 ± 7.5	139 ± 11.9
100.0	194 ± 2.1	101 ± 3.0	151 ± 3.8	105 ± 11.7	136 ± 3.1
333.0	204 ± 7.7	117 ± 5.4	161 ± 7.9	102 ± 16.5	140 ± 3.7
500.0		81 ± 2.8 <sup>s</sup>			
667.0	Toxic				
1000.0			200 ± 2.7	128 ± 8.0	156 ± 6.8
1600.0				102 ± 10.4 <sup>s</sup>	
2200.0			199 ± 30.0 <sup>s</sup>		187 ± 7.3 <sup>s</sup>
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control <sup>2</sup>					1070 ± 32.9
Positive Control <sup>3</sup>			1466 ± 39.8	1319 ± 65.0	
Positive Control <sup>4</sup>	1619 ± 82.0	1050 ± 18.4			

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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>	87 ± 1.3
10.0	
33.0	90 ± 5.2
100.0	89 ± 9.2
333.0	79 ± 3.3
500.0	
667.0	
1000.0	94 ± 6.7
1600.0	
2200.0	Toxic
Trial Summary	Negative
Positive Control <sup>2</sup>	1061 ± 12.8
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	13 ± 0.9	12 ± 2.0	10 ± 2.2	9 ± 3.0	13 ± 2.0
10.0	13 ± 1.5	14 ± 2.0			
33.0	12 ± 2.0	12 ± 3.3	10 ± 3.1	8 ± 1.9	9 ± 1.7
100.0	19 ± 1.5	16 ± 0.7	12 ± 0.9	11 ± 1.5	8 ± 3.2
333.0	11 ± 1.0 <sup>s</sup>	14 ± 2.9	11 ± 0.9	7 ± 0.6	13 ± 1.8
500.0		Toxic			
667.0	Toxic				
1000.0			6 ± 0.9 <sup>s</sup>	6 ± 0.3	9 ± 1.2
1600.0				6 ± 0.7 <sup>s</sup>	
2200.0			3 ± 1.0 <sup>s</sup>		3 ± 1.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					78 ± 8.2
Positive Control <sup>3</sup>			83 ± 5.0	114 ± 10.3	
Positive Control <sup>4</sup>	1432 ± 50.4	715 ± 12.2			

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	6 ± 1.7
10.0	
33.0	5 ± 1.2
100.0	5 ± 1.0
333.0	7 ± 0.9
500.0	
667.0	
1000.0	7 ± 0.9
1600.0	
2200.0	Toxic
Trial Summary	Negative
Positive Control <sup>2</sup>	131 ± 8.5
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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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>	7 ± 1.5	6 ± 0.7	11 ± 3.2	10 ± 1.5	7 ± 1.7
10.0	6 ± 0.9	5 ± 0.3			
33.0	7 ± 1.5	7 ± 1.5	8 ± 1.7	8 ± 1.2	10 ± 2.3
100.0	7 ± 1.8	4 ± 1.5	6 ± 1.2	5 ± 1.8	8 ± 1.9
333.0	4 ± 0.0 <sup>s</sup>	3 ± 0.9	9 ± 1.2	5 ± 0.6	7 ± 1.3
500.0		3 ± 1.2 <sup>s</sup>			
667.0	Toxic				
1000.0			4 ± 1.2	7 ± 1.5	4 ± 1.2
1600.0				5 ± 0.3 <sup>s</sup>	
2200.0			7 ± 0.0 <sup>s</sup>		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					88 ± 9.7
Positive Control <sup>3</sup>			119 ± 14.1	105 ± 10.7	
Positive Control <sup>5</sup>	145 ± 20.0	1164 ± 39.3			

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Strain: TA1537

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	4 ± 0.6
10.0	
33.0	6 ± 0.6
100.0	5 ± 1.3
333.0	4 ± 1.2
500.0	
667.0	
1000.0	5 ± 0.3
1600.0	
2200.0	3 ± 0.0 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	81 ± 2.8
Positive Control <sup>3</sup>	
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>	24 ± 2.6	12 ± 1.5	32 ± 1.5	26 ± 4.4	28 ± 5.9
10.0	21 ± 3.8	13 ± 1.2			
33.0	19 ± 2.0	15 ± 2.1	32 ± 0.6	21 ± 2.1	35 ± 4.4
100.0	17 ± 2.0	12 ± 2.1	32 ± 5.5	32 ± 5.7	29 ± 1.5
333.0	23 ± 5.5	14 ± 0.7	32 ± 0.6	28 ± 2.2	28 ± 7.9
500.0		6 ± 4.5 <sup>s</sup>			
667.0	Toxic				
1000.0			31 ± 4.5	23 ± 2.3	25 ± 4.0
1600.0				18 ± 2.0 <sup>s</sup>	
2200.0			23 ± 3.8 <sup>s</sup>		32 ± 1.8 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					703 ± 15.1
Positive Control <sup>3</sup>			898 ± 82.2	1191 ± 52.3	
Positive Control <sup>6</sup>	1595 ± 44.7	1357 ± 28.4			



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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>	25 ± 2.3
10.0	
33.0	23 ± 2.7
100.0	28 ± 4.4
333.0	23 ± 3.8
500.0	
667.0	
1000.0	22 ± 3.3
1600.0	
2200.0	Toxic
Trial Summary	Negative
Positive Control <sup>2</sup>	1003 ± 24.9
Positive Control <sup>3</sup>	
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: Dimethyl Sulfoxide

2: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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