

Experiment Number: 838866

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Allyl glycidyl ether

CAS Number: 106-92-3

Date Report Requested: 09/15/2018

Time Report Requested: 23:55:54

**NTP Study Number:**

838866

**Study Result:**

Positive

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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>	105 ± 1.7	159 ± 9.0	116 ± 13.9	135 ± 5.8	105 ± 9.8
100.0	177 ± 2.9	211 ± 7.9	123 ± 1.5	143 ± 7.8	84 ± 10.7
333.0	326 ± 15.3	371 ± 9.0	161 ± 8.4	155 ± 10.7	147 ± 8.8
1000.0	904 ± 198.3	814 ± 30.5	382 ± 13.6	417 ± 10.5	329 ± 14.3
3333.0	2178 ± 119.4	2047 ± 79.8	1478 ± 50.1	1388 ± 150.7	1382 ± 21.7
10000.0	3312 ± 135.3 <sup>s</sup>	3431 ± 15.9 <sup>s</sup>	3726 ± 133.3	3654 ± 63.6 <sup>s</sup>	3569 ± 85.7
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>					2160 ± 50.6
Positive Control <sup>3</sup>			1125 ± 41.3	395 ± 17.1	
Positive Control <sup>4</sup>	2407 ± 63.5	2397 ± 25.7			

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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>	130 ± 5.8
100.0	137 ± 6.8
333.0	172 ± 0.9
1000.0	399 ± 5.8
3333.0	1571 ± 14.9
10000.0	3705 ± 91.3 <sup>s</sup>
Trial Summary	Positive
Positive Control <sup>2</sup>	1491 ± 37.0
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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**Strain: TA1535**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	23 ± 3.8	26 ± 2.7	18 ± 1.2	13 ± 2.3	10 ± 1.8
100.0	63 ± 10.2	54 ± 5.4	13 ± 0.6	17 ± 3.5	9 ± 1.2
333.0	125 ± 10.3	166 ± 1.0	19 ± 7.2	29 ± 2.1	27 ± 3.8
1000.0	250 ± 45.1	347 ± 9.0	49 ± 9.8	128 ± 7.2	119 ± 9.1
3333.0	759 ± 20.2	783 ± 22.0	442 ± 43.6	495 ± 12.2	444 ± 27.8
10000.0	525 ± 84.6 <sup>s</sup>	1019 ± 26.4 <sup>s</sup>	521 ± 33.2	406 ± 91.8 <sup>s</sup>	454 ± 15.3 <sup>s</sup>
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>					115 ± 13.6
Positive Control <sup>3</sup>			119 ± 0.7	63 ± 0.6	
Positive Control <sup>4</sup>	1373 ± 108.5	1604 ± 61.8			

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Mutagenicity

G06: Ames Summary Data  
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CAS Number: 106-92-3

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	10 ± 1.5
100.0	17 ± 2.2
333.0	42 ± 5.2
1000.0	195 ± 5.7
3333.0	516 ± 12.0
10000.0	577 ± 11.9 <sup>s</sup>
Trial Summary	Positive
Positive Control <sup>2</sup>	139 ± 1.7
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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Test Type: Genetic Toxicology - Bacterial Mutagenicity

**G06: Ames Summary Data**

Test Compound: Allyl glycidyl ether

CAS Number: 106-92-3

Date Report Requested: 09/15/2018

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**Strain: TA1537**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	7 ± 0.7	7 ± 1.0	6 ± 0.0
100.0	7 ± 2.3	10 ± 3.2	8 ± 1.5
333.0	8 ± 2.6	7 ± 2.1	8 ± 1.0
1000.0	8 ± 1.3	4 ± 1.5	11 ± 2.2
3333.0	9 ± 1.7	5 ± 1.0	7 ± 0.6
10000.0	5 ± 1.2 <sup>s</sup>	10 ± 2.4 <sup>s</sup>	11 ± 0.9
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>			76 ± 20.7
Positive Control <sup>3</sup>		114 ± 13.2	
Positive Control <sup>5</sup>	346 ± 115.0		

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**Strain: TA98**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	16 ± 1.8	29 ± 3.1	28 ± 2.3
100.0	18 ± 2.1	28 ± 1.2	27 ± 3.6
333.0	19 ± 0.9	27 ± 2.0	25 ± 2.7
1000.0	18 ± 1.2	31 ± 5.5	26 ± 1.5
3333.0	17 ± 1.2 <sup>s</sup>	29 ± 2.6	25 ± 5.8
10000.0	Toxic	30 ± 2.6	34 ± 5.5
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>			970 ± 40.2
Positive Control <sup>3</sup>		874 ± 39.3	
Positive Control <sup>6</sup>	1579 ± 37.9		

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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 \*\***