

Experiment Number: 816068

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Ethyl-3-methyl-3-phenylglycidate

CAS Number: 77-83-8

Date Report Requested: 09/15/2018

Time Report Requested: 14:15:15

NTP Study Number:

816068

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 ¹	102 ± 0.3	85 ± 8.7	136 ± 7.8	144 ± 4.4	156 ± 5.4
100.0	113 ± 6.6	91 ± 4.3	184 ± 9.0	184 ± 9.9	162 ± 4.8
333.0	99 ± 12.0	85 ± 4.8	153 ± 3.2	154 ± 15.8	148 ± 9.6
1000.0	85 ± 1.5	77 ± 6.0	132 ± 2.6	115 ± 13.2	130 ± 2.1
3333.0	90 ± 11.9	82 ± 10.4	115 ± 4.7	113 ± 23.2	114 ± 9.3
10000.0	31 ± 3.8	18 ± 8.8	46 ± 2.7	Toxic	39 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1520 ± 199.8	2093 ± 46.2	972 ± 17.8
Positive Control ³	863 ± 108.5	422 ± 50.3			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	128 ± 14.6
100.0	116 ± 5.6
333.0	128 ± 5.1
1000.0	126 ± 13.9
3333.0	140 ± 23.2
10000.0	58 ± 9.8
Trial Summary	Negative
Positive Control ²	1410 ± 109.5
Positive Control ³	

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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 ¹	7 ± 0.6	8 ± 1.7	8 ± 1.0	5 ± 1.5	8 ± 0.9
100.0	3 ± 0.6	5 ± 0.9	11 ± 0.7	6 ± 0.7	7 ± 0.3
333.0	3 ± 1.3	4 ± 0.3	9 ± 0.3	5 ± 1.2	5 ± 0.6
1000.0	5 ± 0.9	3 ± 1.5	10 ± 1.2	8 ± 1.2	6 ± 1.3
3333.0	2 ± 0.3	1 ± 0.7	13 ± 0.3	6 ± 1.2	4 ± 1.7
10000.0	1 ± 0.3	2 ± 0.7	5 ± 0.0	1 ± 1.0	6 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			99 ± 5.2	43 ± 2.4	133 ± 14.6
Positive Control ³	560 ± 13.5	76 ± 4.7			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.9
100.0	4 ± 0.6
333.0	4 ± 1.5
1000.0	4 ± 0.3
3333.0	4 ± 0.6
10000.0	3 ± 0.6
Trial Summary	Negative
Positive Control ²	54 ± 7.8
Positive Control 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 ¹	4 ± 1.2	3 ± 0.3	11 ± 1.8	7 ± 2.9	7 ± 2.3
100.0	6 ± 0.9	5 ± 1.5	16 ± 2.2	8 ± 2.0	7 ± 1.2
333.0	4 ± 1.0	2 ± 1.0	12 ± 0.9	7 ± 0.6	13 ± 2.0
1000.0	2 ± 0.3	8 ± 3.2	9 ± 0.7	5 ± 0.3	12 ± 1.5
3333.0	3 ± 0.9	Toxic	18 ± 1.2	7 ± 2.4	12 ± 1.2
10000.0	0 ± 0.0	0 ± 0.0	10 ± 0.6	Toxic	14 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			237 ± 16.2	202 ± 28.1	194 ± 22.5
Positive Control ⁴	831 ± 101.8	1173 ± 82.1			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 2.1
100.0	9 ± 1.0
333.0	18 ± 2.1
1000.0	9 ± 2.9
3333.0	6 ± 4.2
10000.0	8 ± 8.0
Trial Summary	Negative
Positive Control ²	116 ± 7.9
Positive Control ⁴	

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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 ¹	21 ± 1.3	14 ± 3.3	27 ± 0.9	23 ± 3.5	27 ± 1.9
100.0	11 ± 2.0	20 ± 2.3	21 ± 1.5	26 ± 6.9	26 ± 1.2
333.0	14 ± 0.7	15 ± 2.9	19 ± 2.9	23 ± 4.4	26 ± 1.5
1000.0	15 ± 2.0	11 ± 3.2	21 ± 0.7	21 ± 1.7	20 ± 2.9
3333.0	13 ± 0.0	12 ± 1.5	17 ± 0.6	16 ± 0.3	25 ± 0.5
10000.0	5 ± 0.6	9 ± 3.5	8 ± 0.9	7 ± 1.2	6 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			954 ± 70.3	846 ± 203.0	1635 ± 89.5
Positive Control ⁵	343 ± 24.3	173 ± 24.1			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	23 ± 4.5
100.0	25 ± 2.7
333.0	23 ± 0.3
1000.0	17 ± 2.0
3333.0	19 ± 3.4
10000.0	7 ± 3.3
Trial Summary	Negative
Positive Control ²	963 ± 50.4
Positive Control ⁵	

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****