

Experiment Number: 006879

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3-((Ethylhexyl)oxy)propylamine

CAS Number: 5397-31-9

Date Report Requested: 09/14/2018

Time Report Requested: 05:55:57

NTP Study Number:

006879

Study Result:

Negative

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Date Report Requested: 09/14/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	129 ± 9.0	118 ± 11.6	126 ± 10.8	143 ± 6.0	143 ± 5.5
3.0		123 ± 15.3		138 ± 2.2	
10.0	122 ± 3.2	117 ± 9.3	140 ± 4.5	138 ± 13.1	147 ± 7.5
33.0	129 ± 5.9	117 ± 9.4	139 ± 0.9	148 ± 15.0	145 ± 9.6
100.0	119 ± 6.1	117 ± 13.0	131 ± 10.7	115 ± 7.3	143 ± 9.6
166.0		81 ± 12.2			
333.0	71 ± 15.2 ^s		115 ± 8.4	115 ± 8.8	118 ± 14.4
666.0	Toxic				
1000.0			12 ± 12.3 ^s		32 ± 9.1 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					873 ± 3.8
Positive Control ³			642 ± 47.7	336 ± 6.1	
Positive Control ⁴	432 ± 14.9	654 ± 3.9			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	148 ± 9.2
3.0	158 ± 11.5
10.0	139 ± 10.2
33.0	128 ± 16.3
100.0	147 ± 19.6
166.0	
333.0	122 ± 9.7
666.0	
1000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	850 ± 58.1
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	34 ± 0.6	22 ± 3.2	12 ± 2.6	11 ± 3.3	13 ± 3.7
3.0		19 ± 0.7		13 ± 2.0	
10.0	30 ± 4.1	21 ± 1.5	10 ± 0.0	15 ± 3.5	16 ± 0.3
33.0	28 ± 3.4	19 ± 1.9	11 ± 2.0	14 ± 0.9	8 ± 0.9
100.0	31 ± 6.1	22 ± 3.5	14 ± 3.1	8 ± 2.0	12 ± 2.9
166.0		17 ± 2.2			
333.0	27 ± 5.8		7 ± 1.9	12 ± 2.8	10 ± 1.5
666.0	10 ± 5.2 ^s				
1000.0			2 ± 0.3 ^s		3 ± 1.5 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					226 ± 2.3
Positive Control ⁴	363 ± 20.5	586 ± 42.3			
Positive Control ⁵			124 ± 7.7	147 ± 6.1	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	14 ± 3.5
3.0	11 ± 2.0
10.0	9 ± 2.3
33.0	12 ± 2.6
100.0	8 ± 0.7
166.0	
333.0	9 ± 1.3
666.0	
1000.0	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	617 ± 47.8

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	142 ± 6.1	134 ± 5.5	191 ± 5.0	192 ± 18.2	184 ± 13.2
3.0		163 ± 7.1		179 ± 20.9	
10.0	138 ± 5.9	151 ± 5.6	188 ± 7.3	190 ± 17.6	186 ± 1.9
33.0	143 ± 3.5	144 ± 3.5	177 ± 12.7	185 ± 12.9	183 ± 8.7
100.0	127 ± 1.5	143 ± 9.2	179 ± 11.4	178 ± 19.2	162 ± 8.0
166.0		135 ± 8.4			
333.0	78 ± 2.1 ^s		180 ± 15.1	177 ± 11.7	125 ± 6.4
666.0	15 ± 15.0 ^s				
1000.0			19 ± 11.0 ^s		42 ± 21.5 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					507 ± 8.8
Positive Control ³			449 ± 6.4		
Positive Control ⁵				555 ± 31.7	
Positive Control ⁶	526 ± 24.1	561 ± 27.0			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	105 ± 3.8
3.0	138 ± 12.1
10.0	140 ± 3.0
33.0	131 ± 9.8
100.0	129 ± 10.6
166.0	
333.0	100 ± 8.3
666.0	
1000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	621 ± 10.0
Positive Control ⁵	
Positive Control ⁶	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	25 ± 3.5	28 ± 1.5	40 ± 4.3	38 ± 2.6	41 ± 2.3
3.0		31 ± 6.3		30 ± 4.9	
10.0	23 ± 2.7	23 ± 4.4	41 ± 4.6	36 ± 2.8	39 ± 2.3
33.0	23 ± 1.5	28 ± 2.7	39 ± 5.3	37 ± 2.6	37 ± 4.9
100.0	19 ± 2.0	26 ± 0.6	36 ± 7.4	34 ± 7.3	31 ± 2.3
166.0		19 ± 3.9			
333.0	9 ± 2.4 ^S		24 ± 4.4	39 ± 7.8	25 ± 2.0
666.0	7 ± 7.0 ^S				
1000.0			0 ± 0.0 ^S		0 ± 0.0 ^S
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					437 ± 28.2
Positive Control ³			277 ± 4.2	177 ± 10.7	
Positive Control ⁷	669 ± 19.1	1185 ± 36.3			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	33 ± 8.1
3.0	35 ± 4.1
10.0	28 ± 4.7
33.0	32 ± 0.9
100.0	35 ± 3.4
166.0	
333.0	35 ± 1.5
666.0	
1000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	620 ± 10.3
Positive Control ⁷	

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 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 ****