

Experiment Number: 669959

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Oleic acid diethanolamine condensate

CAS Number: 93-83-4

Date Report Requested: 09/11/2018

Time Report Requested: 12:31:36

NTP Study Number:

669959

Study Result:

Negative

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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	115 ± 3.0	75 ± 5.0	139 ± 4.1	87 ± 10.4	91 ± 1.7
0.1	119 ± 9.0	74 ± 2.9			
0.3	121 ± 2.8	73 ± 1.5			
1.0	121 ± 4.7	74 ± 8.7			
3.3	116 ± 4.8	70 ± 9.5 ^s	142 ± 3.3	82 ± 2.6	99 ± 7.3
10.0	131 ± 7.3 ^s	55 ± 2.7 ^s	118 ± 4.6	91 ± 8.4	107 ± 2.6
33.0			119 ± 1.2	91 ± 6.8	106 ± 6.2
100.0			99 ± 3.1	89 ± 10.2	101 ± 4.9
200.0			35 ± 6.1 ^s	79 ± 6.4	74 ± 5.5 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					470 ± 10.3
Positive Control ³	777 ± 29.8	311 ± 13.0			
Positive Control ⁴			870 ± 8.2		
Positive Control ⁵					
Positive Control ⁶				550 ± 30.1	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	83 ± 5.8
0.1	
0.3	
1.0	
3.3	80 ± 9.6
10.0	87 ± 0.9
33.0	82 ± 13.3
100.0	85 ± 4.3
200.0	81 ± 7.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	258 ± 20.2
Positive Control ⁶	

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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	32 ± 3.6	8 ± 3.4	18 ± 2.4	7 ± 1.9	18 ± 2.0
0.1	39 ± 5.1	10 ± 2.2			
0.3	38 ± 0.6	9 ± 2.4			
1.0	32 ± 2.8	10 ± 1.2			
3.3	39 ± 5.3	7 ± 1.5	14 ± 2.8	7 ± 0.9	18 ± 2.7
10.0	31 ± 1.9 ^s	9 ± 1.2 ^s	15 ± 3.8	8 ± 2.9	16 ± 0.7
33.0			17 ± 2.5	4 ± 0.9	15 ± 2.4
100.0			17 ± 1.2	6 ± 1.5	13 ± 1.8
200.0			7 ± 1.2	8 ± 0.7	14 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					65 ± 0.3
Positive Control ³	407 ± 12.9	162 ± 4.0			
Positive Control ⁵					
Positive Control ⁷				117 ± 12.0	
Positive Control ⁶			216 ± 2.3		

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	5 ± 0.6
0.1	
0.3	
1.0	
3.3	5 ± 2.0
10.0	8 ± 0.3
33.0	4 ± 1.3
100.0	8 ± 0.7
200.0	6 ± 0.6
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	56 ± 5.2
Positive Control ⁷	
Positive Control ⁶	

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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	137 ± 6.0	74 ± 3.5	232 ± 12.7	109 ± 7.6	201 ± 17.7
0.1	128 ± 12.8	76 ± 10.5			
0.3	136 ± 4.4	58 ± 6.6			
1.0	110 ± 0.5	74 ± 3.4			
3.3	138 ± 7.4	72 ± 2.3 ^s	243 ± 4.6	100 ± 2.9	203 ± 6.4
10.0	110 ± 4.1 ^s	8 ± 3.9 ^s	208 ± 0.3	106 ± 6.4	200 ± 5.1
33.0			192 ± 4.2	113 ± 5.8	218 ± 15.6
100.0			116 ± 5.8	120 ± 5.7	216 ± 11.7
200.0			62 ± 5.5 ^s	80 ± 1.5 ^s	81 ± 7.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					337 ± 7.4
Positive Control ⁶			1459 ± 70.4	359 ± 4.2	
Positive Control ⁸	413 ± 16.3	1119 ± 46.4			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	119 ± 2.5
0.1	
0.3	
1.0	
3.3	104 ± 7.1
10.0	96 ± 12.1
33.0	96 ± 6.2
100.0	98 ± 3.3
200.0	114 ± 4.9
Trial Summary	Negative
Positive Control ²	
Positive Control ⁶	208 ± 5.6
Positive Control ⁸	

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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	20 ± 0.3	15 ± 2.0	47 ± 5.4	25 ± 3.1	37 ± 1.0
0.1	20 ± 1.7	9 ± 2.6			
0.3	27 ± 3.8	9 ± 3.2			
1.0	20 ± 0.7	13 ± 0.6			
3.3	21 ± 2.9	11 ± 2.9	38 ± 3.2	22 ± 1.2	38 ± 2.5
10.0	28 ± 4.9	12 ± 1.5 ^s	44 ± 0.9	19 ± 4.4	37 ± 1.9
33.0			52 ± 6.1	21 ± 4.4	42 ± 2.1
100.0			37 ± 6.0	25 ± 4.5	44 ± 0.9
200.0			43 ± 4.0	19 ± 2.1	41 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁹					137 ± 6.4
Positive Control ²			251 ± 4.1		
Positive Control ¹⁰	169 ± 5.2	216 ± 12.9			
Positive Control ⁵				196 ± 16.0	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	16 ± 0.7
0.1	
0.3	
1.0	
3.3	23 ± 2.8
10.0	16 ± 2.7
33.0	22 ± 2.5
100.0	22 ± 1.5
200.0	20 ± 2.0
Trial Summary	Negative
Positive Control ⁹	
Positive Control ²	66 ± 2.7
Positive Control ¹⁰	
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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 1.5 ug/Plate 2-Aminoanthracene

8: 3.5 ug/Plate 9-Aminoacridine

9: 0.2 ug/Plate 2-Aminoanthracene

10: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****