

Experiment Number: 828926

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Cyclohexyl anthranilate

CAS Number: 7779-16-0

Date Report Requested: 09/15/2018

Time Report Requested: 19:04:42

NTP Study Number:

828926

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	110 ± 15.0	137 ± 5.4	115 ± 1.3	124 ± 6.3	109 ± 7.3
0.3	88 ± 0.7	119 ± 8.8	121 ± 4.9		101 ± 5.1
1.0	98 ± 7.2	116 ± 6.0	113 ± 2.4	152 ± 2.5	114 ± 8.0
3.3	97 ± 2.6	118 ± 0.6	109 ± 4.1	141 ± 6.4	102 ± 2.6
10.0	102 ± 1.2	116 ± 3.5	110 ± 4.3	115 ± 4.0	105 ± 5.8
20.0	82 ± 1.3 ^s	108 ± 7.2 ^s			
33.0			114 ± 5.0	113 ± 10.4	90 ± 1.7
67.0				123 ± 8.8 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1324 ± 77.3
Positive Control ³			1759 ± 226.7		
Positive Control ⁴				867 ± 21.0	
Positive Control ⁵	879 ± 70.4	694 ± 27.4			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	153 ± 5.7
0.3	
1.0	108 ± 8.6
3.3	104 ± 9.3
10.0	109 ± 6.7
20.0	
33.0	110 ± 3.5
67.0	114 ± 8.0 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	1091 ± 33.1
Positive Control ⁵	

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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	42 ± 4.7	38 ± 3.3	33 ± 6.0	14 ± 3.3	41 ± 3.8
0.3	43 ± 2.7	30 ± 1.9	25 ± 5.2		36 ± 3.5
1.0	40 ± 2.3	32 ± 2.3	35 ± 1.5	11 ± 1.5	38 ± 4.6
3.3	45 ± 8.1	33 ± 1.3	28 ± 2.6	11 ± 1.8	34 ± 9.0
10.0	38 ± 0.7	27 ± 0.6	28 ± 0.9	14 ± 2.6	27 ± 3.0
20.0	29 ± 3.2 ^s	25 ± 2.8 ^s			
33.0			20 ± 0.3	14 ± 2.7	26 ± 2.2 ^s
67.0				14 ± 2.0 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					121 ± 7.9
Positive Control ³			122 ± 6.1		
Positive Control ⁴				122 ± 4.7	
Positive Control ⁵	808 ± 47.4	931 ± 7.5			

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	15 ± 1.3
0.3	
1.0	13 ± 3.9
3.3	14 ± 2.3
10.0	12 ± 1.8
20.0	
33.0	11 ± 1.5
67.0	13 ± 1.2 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	160 ± 7.2
Positive Control ⁵	

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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	105 ± 8.0	103 ± 2.4	130 ± 7.3	171 ± 8.9	111 ± 6.2
0.3	88 ± 3.5	103 ± 3.4	129 ± 4.7		114 ± 10.5
1.0	98 ± 4.0	103 ± 6.4	126 ± 8.4	154 ± 7.2	106 ± 4.8
3.3	95 ± 3.2	93 ± 6.2	125 ± 7.4	189 ± 7.9	121 ± 3.8
10.0	89 ± 4.9 ^s	105 ± 4.7	120 ± 3.8	173 ± 2.5	123 ± 4.9
20.0	84 ± 6.7 ^s	101 ± 7.0 ^s			
33.0			125 ± 8.1	190 ± 1.8	121 ± 2.3
67.0				170 ± 4.1 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					959 ± 23.8
Positive Control ³			1448 ± 36.9		
Positive Control ⁴				408 ± 21.1	
Positive Control ⁶	994 ± 62.8	839 ± 30.2			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	178 ± 4.4
0.3	
1.0	197 ± 14.2
3.3	197 ± 2.3
10.0	180 ± 4.3
20.0	
33.0	186 ± 9.5
67.0	179 ± 2.3 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	698 ± 6.5
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	18 ± 0.6	19 ± 0.9	32 ± 4.5	39 ± 0.6	23 ± 3.8
0.3	14 ± 4.5	22 ± 1.2	31 ± 0.9		25 ± 3.5
1.0	14 ± 2.3	20 ± 2.7	28 ± 3.9	35 ± 0.6	29 ± 3.4
3.3	17 ± 5.4	16 ± 1.5	34 ± 1.5	33 ± 1.5	25 ± 2.3
10.0	17 ± 1.7	15 ± 0.9	34 ± 5.6	33 ± 1.2	23 ± 2.4
20.0	14 ± 0.3 ^s	18 ± 3.0 ^s			
33.0			29 ± 4.5	31 ± 3.8	32 ± 3.2
67.0				43 ± 3.0 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1154 ± 4.9
Positive Control ³			1771 ± 60.7		
Positive Control ⁴				394 ± 7.3	
Positive Control ⁷	1878 ± 115.2	1419 ± 19.2			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	29 ± 2.4
0.3	
1.0	31 ± 4.8
3.3	30 ± 5.2
10.0	33 ± 4.1
20.0	
33.0	32 ± 1.5
67.0	29 ± 0.9 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	542 ± 30.3
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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate Sodium Azide

6: 4.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

** END OF REPORT **