

Experiment Number: 819460

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Phenethyl anthranilate

CAS Number: 133-18-6

Date Report Requested: 09/15/2018

Time Report Requested: 14:45:30

NTP Study Number:

819460

Study Result:

Negative

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Date Report Requested: 09/15/2018
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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	121 ± 8.7	94 ± 5.2	127 ± 1.5	87 ± 5.1	117 ± 11.7
0.1		106 ± 6.0			
0.3	106 ± 7.5	119 ± 3.9			
1.0	119 ± 7.2	105 ± 5.5	131 ± 5.6	97 ± 7.1	127 ± 6.7
3.3	116 ± 10.5	91 ± 1.7	139 ± 4.7	101 ± 9.4	110 ± 2.3
10.0	120 ± 8.1	111 ± 7.3	141 ± 8.4	85 ± 3.5	117 ± 2.1
20.0	77 ± 0.9 ^s				
33.0			142 ± 6.7	94 ± 2.3	116 ± 5.9
100.0			112 ± 5.5 ^s	89 ± 8.7	114 ± 5.5 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1219 ± 17.9
Positive Control ³			2181 ± 53.0		
Positive Control ⁴				517 ± 26.8	
Positive Control ⁵	771 ± 12.4	1037 ± 10.5			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	89 ± 6.2
0.1	
0.3	
1.0	93 ± 5.9
3.3	91 ± 3.3
10.0	91 ± 3.8
20.0	
33.0	87 ± 4.3
100.0	77 ± 2.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	908 ± 101.7
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	22 ± 2.9	29 ± 1.8	14 ± 2.7	12 ± 1.5	9 ± 2.1
0.1		27 ± 4.7			
0.3	22 ± 2.7	39 ± 4.3			
1.0	26 ± 0.3	36 ± 3.3	16 ± 3.2	13 ± 0.7	10 ± 2.3
3.3	22 ± 2.4	30 ± 5.7	11 ± 1.2	13 ± 1.9	12 ± 0.9
10.0	21 ± 5.7	33 ± 4.7	11 ± 0.7	15 ± 2.6	10 ± 1.0
20.0	14 ± 1.9 ^s				
33.0			11 ± 0.7	10 ± 1.2	13 ± 2.6
100.0			10 ± 1.2 ^s	10 ± 0.6	9 ± 1.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					69 ± 4.8
Positive Control ³			104 ± 7.4		
Positive Control ⁴				134 ± 11.7	
Positive Control ⁵	923 ± 19.1	1016 ± 12.1			

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	13 ± 3.7
0.1	
0.3	
1.0	10 ± 0.3
3.3	15 ± 1.9
10.0	13 ± 3.2
20.0	
33.0	12 ± 2.8
100.0	12 ± 1.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	191 ± 14.2
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	92 ± 3.0	86 ± 5.3	120 ± 4.5	162 ± 8.0	113 ± 4.4
0.1		86 ± 4.6			
0.3	102 ± 8.0	85 ± 2.4			
1.0	89 ± 3.5	81 ± 5.2	140 ± 15.8	185 ± 4.3	107 ± 6.2
3.3	77 ± 1.5	99 ± 2.6	120 ± 7.1	161 ± 12.9	102 ± 4.7
10.0	82 ± 9.7	88 ± 3.3	143 ± 5.9	136 ± 6.6	118 ± 7.6
20.0	76 ± 3.8 ^s				
33.0			135 ± 3.2	152 ± 4.6	118 ± 1.9 ^s
100.0			109 ± 5.7 ^s	128 ± 3.0	100 ± 5.1 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					749 ± 12.7
Positive Control ³			1192 ± 68.9		
Positive Control ⁴				467 ± 16.0	
Positive Control ⁶	722 ± 32.1	2559 ± 50.6			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	129 ± 3.0
0.1	
0.3	
1.0	116 ± 9.0
3.3	122 ± 5.3
10.0	111 ± 4.9
20.0	
33.0	126 ± 10.4
100.0	106 ± 8.8
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	848 ± 50.9
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	14 ± 1.7	17 ± 1.7	32 ± 1.7	33 ± 2.6	34 ± 2.5
0.1		17 ± 2.3			
0.3	15 ± 1.5	18 ± 2.4			
1.0	12 ± 2.4	19 ± 0.9	32 ± 4.1	29 ± 3.8	26 ± 2.6
3.3	16 ± 3.1	23 ± 1.7	36 ± 4.5	34 ± 1.7	30 ± 3.1
10.0	20 ± 3.6	18 ± 1.0	29 ± 0.7	37 ± 1.8	27 ± 2.0
20.0	14 ± 1.0 ^s				
33.0			32 ± 2.1	30 ± 3.4	27 ± 4.4
100.0			27 ± 1.5	31 ± 3.2	33 ± 2.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1029 ± 33.2
Positive Control ³			1552 ± 56.1		
Positive Control ⁴				470 ± 6.9	
Positive Control ⁷	1462 ± 15.6	1783 ± 33.6			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	35 ± 2.5
0.1	
0.3	
1.0	30 ± 4.2
3.3	31 ± 1.3
10.0	30 ± 1.9
20.0	
33.0	28 ± 2.5
100.0	27 ± 1.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	859 ± 4.7
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 ****