

Experiment Number: 342529

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Allyl anthranilate

CAS Number: 7493-63-2

Date Report Requested: 09/12/2018

Time Report Requested: 23:08:07

NTP Study Number:

342529

Study Result:

Negative

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Date Report Requested: 09/12/2018

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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	163 ± 4.1	155 ± 8.1	177 ± 5.5	149 ± 10.3	156 ± 5.0
3.3	159 ± 7.5	142 ± 7.0		138 ± 2.6	
10.0	174 ± 6.2	156 ± 7.5	143 ± 4.6	134 ± 17.0	128 ± 6.0
33.0	168 ± 8.3	146 ± 2.0	123 ± 10.5	110 ± 12.0	124 ± 4.4
100.0	185 ± 2.5	156 ± 0.7	114 ± 4.8	97 ± 5.6	101 ± 2.8
222.0	121 ± 3.5 ^s	Toxic			
333.0			54 ± 3.5 ^s	85 ± 7.1 ^s	71 ± 6.3 ^s
666.0			Toxic		41 ± 3.9 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1272 ± 57.3
Positive Control ³			1569 ± 55.0	875 ± 21.2	
Positive Control ⁴	1881 ± 49.7	1503 ± 15.2			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	156 ± 3.5
3.3	146 ± 10.2
10.0	122 ± 1.8
33.0	119 ± 6.4
100.0	88 ± 2.4
222.0	
333.0	62 ± 1.3 ^s
666.0	
Trial Summary	Negative
Positive Control ²	627 ± 9.8
Positive Control ³	
Positive Control ⁴	

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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	33 ± 0.7	34 ± 1.8	12 ± 1.2	9 ± 0.7	9 ± 2.0
3.3	39 ± 1.8	30 ± 6.1		10 ± 1.8	
10.0	29 ± 5.5	35 ± 0.9	12 ± 1.5	12 ± 0.9	6 ± 1.9
33.0	38 ± 4.2	35 ± 0.7	9 ± 1.2	9 ± 2.6	12 ± 2.5
100.0	37 ± 0.6	37 ± 4.5	11 ± 2.0	10 ± 1.7	9 ± 1.9
222.0	7 ± 0.6 ^s	18 ± 0.7 ^s			
333.0			7 ± 0.6 ^s	5 ± 0.9 ^s	9 ± 0.0 ^s
666.0			7 ± 1.5 ^s		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					111 ± 11.7
Positive Control ³			114 ± 6.0	143 ± 10.3	
Positive Control ⁴	1460 ± 24.7	1228 ± 29.6			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 3.2
3.3	7 ± 1.8
10.0	10 ± 1.2
33.0	11 ± 3.4
100.0	9 ± 1.2
222.0	
333.0	9 ± 1.5 ^s
666.0	
Trial Summary	Negative
Positive Control ²	160 ± 15.0
Positive Control ³	
Positive Control ⁴	

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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	5 ± 0.9	8 ± 2.2	8 ± 0.6	11 ± 0.9	8 ± 1.0
3.3	7 ± 0.3	5 ± 1.5		9 ± 1.2	
10.0	4 ± 0.9	4 ± 1.5	5 ± 1.2	8 ± 1.3	6 ± 1.2
33.0	6 ± 1.5	6 ± 0.3	6 ± 1.2	7 ± 1.5	7 ± 2.2
100.0	6 ± 1.2	9 ± 2.1	7 ± 0.6	8 ± 1.0	6 ± 1.2
222.0	6 ± 2.3 ^s	2 ± 0.5 ^s			
333.0			3 ± 1.2 ^s	6 ± 1.5 ^s	3 ± 1.9
666.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					Toxic
Positive Control ³			138 ± 10.4	96 ± 7.8	
Positive Control ⁵	136 ± 26.7	313 ± 12.0			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 0.3	9 ± 1.2
3.3		10 ± 1.5
10.0	9 ± 0.3	7 ± 1.2
33.0	6 ± 2.4	7 ± 1.8
100.0	7 ± 1.5	5 ± 0.7
222.0		
333.0	6 ± 1.3	5 ± 1.9
666.0	Toxic	
Trial Summary	Negative	Negative
Positive Control ²	104 ± 0.7	70 ± 7.2
Positive Control ³		
Positive Control ⁵		

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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	19 ± 4.5	21 ± 1.3	26 ± 1.2	30 ± 2.1	24 ± 2.4
3.3	17 ± 2.2	14 ± 3.2		26 ± 2.6	
10.0	15 ± 3.4	14 ± 1.3	25 ± 3.3	26 ± 1.2	28 ± 0.9
33.0	16 ± 4.4	20 ± 3.1	22 ± 3.2	17 ± 2.0	22 ± 3.0
100.0	18 ± 0.9	15 ± 3.2	20 ± 2.0	18 ± 2.6	23 ± 4.0
222.0	10 ± 0.7 ^s	6 ± 2.0 ^s			
333.0			10 ± 3.5 ^s	12 ± 3.1 ^s	13 ± 0.7 ^s
666.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					948 ± 43.0
Positive Control ³			1132 ± 17.7	826 ± 48.7	
Positive Control ⁶	1700 ± 168.2	1587 ± 40.5			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	23 ± 0.9
3.3	27 ± 2.0
10.0	21 ± 1.7
33.0	21 ± 2.7
100.0	18 ± 2.4
222.0	
333.0	14 ± 0.6 ^s
666.0	
Trial Summary	Negative
Positive Control ²	608 ± 31.5
Positive Control ³	
Positive Control ⁶	

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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: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

** END OF REPORT **