

Experiment Number: 824808

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Ethyl anthranilate

CAS Number: 87-25-2

Date Report Requested: 09/15/2018

Time Report Requested: 18:42:04

NTP Study Number:

824808

Study Result:

Negative

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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	143 ± 9.7	123 ± 8.7	140 ± 17.1	109 ± 5.2	178 ± 5.7
10.0	160 ± 5.8	122 ± 10.3	158 ± 3.8	125 ± 13.4	139 ± 4.3
33.0	145 ± 10.8	117 ± 7.5	142 ± 6.5	138 ± 3.2	140 ± 8.2
100.0	140 ± 8.3	131 ± 6.5	159 ± 7.6	130 ± 1.9	146 ± 10.4
333.0	161 ± 7.5	121 ± 10.8	144 ± 7.1	137 ± 8.3	154 ± 1.0
500.0		Toxic			
667.0	Toxic				
800.0				Toxic	
1000.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					671 ± 45.4
Positive Control ³			836 ± 47.4	771 ± 40.7	
Positive Control ⁴	1083 ± 26.4	1276 ± 19.2			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	117 ± 6.8
10.0	135 ± 5.7
33.0	123 ± 8.0
100.0	128 ± 11.3
333.0	117 ± 10.7
500.0	
667.0	
800.0	Toxic
1000.0	
Trial Summary	Negative
Positive Control ²	1020 ± 19.6
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	18 ± 1.9	19 ± 0.6	16 ± 2.7	10 ± 1.8	13 ± 1.5
10.0	21 ± 1.2	17 ± 2.9	13 ± 2.2	7 ± 3.0	14 ± 3.0
33.0	18 ± 2.7	13 ± 2.0	10 ± 0.9	8 ± 0.9	15 ± 1.5
100.0	22 ± 1.7	18 ± 3.2	11 ± 1.5	8 ± 1.2	14 ± 4.1
333.0	13 ± 3.2	10 ± 0.3	9 ± 1.9	8 ± 0.7	9 ± 1.2
500.0		Toxic			
667.0	Toxic				
800.0				Toxic	
1000.0			Toxic		7 ± 1.5 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²				81 ± 4.1	68 ± 4.2
Positive Control ³			71 ± 4.6		
Positive Control ⁴	836 ± 9.9	998 ± 22.3			

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Test Compound: Ethyl anthranilate

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Date Report Requested: 09/15/2018

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 2.1
10.0	8 ± 0.9
33.0	9 ± 1.3
100.0	6 ± 1.2
333.0	9 ± 2.5
500.0	
667.0	
800.0	2 ± 1.5
1000.0	
Trial Summary	Negative
Positive Control ²	83 ± 5.8
Positive Control ³	
Positive Control ⁴	

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Date Report Requested: 09/15/2018

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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	6 ± 1.9	7 ± 0.3	6 ± 2.0	7 ± 2.2	7 ± 1.2
10.0	8 ± 1.2	7 ± 2.0	8 ± 0.6	9 ± 0.9	8 ± 0.3
33.0	4 ± 1.3	6 ± 0.3	5 ± 1.2	6 ± 1.2	10 ± 1.8
100.0	4 ± 3.0	8 ± 1.7	6 ± 0.3	7 ± 0.6	6 ± 0.3
333.0	6 ± 1.0	4 ± 0.6	8 ± 1.2	7 ± 2.1	6 ± 0.9
500.0		3 ± 1.5 ^s			
667.0	Toxic				
800.0				5 ± 1.5 ^s	
1000.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					56 ± 3.8
Positive Control ³			60 ± 3.6	56 ± 3.5	
Positive Control ⁵	756 ± 18.5	231 ± 71.5			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.7
10.0	5 ± 1.2
33.0	8 ± 0.6
100.0	7 ± 1.0
333.0	8 ± 1.2
500.0	
667.0	
800.0	Toxic
1000.0	
Trial Summary	Negative
Positive Control ²	80 ± 6.7
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 ± 1.5	15 ± 0.3	23 ± 2.5	24 ± 7.2	25 ± 1.9
10.0	17 ± 3.1	10 ± 1.5	24 ± 1.5	23 ± 0.3	26 ± 2.9
33.0	14 ± 0.9	10 ± 1.0	24 ± 0.7	20 ± 3.5	20 ± 3.8
100.0	16 ± 1.9	12 ± 1.8	21 ± 2.0	24 ± 6.4	24 ± 1.5
333.0	14 ± 2.1	13 ± 1.8	23 ± 2.2	17 ± 4.4	29 ± 1.7
500.0		Toxic			
667.0	Toxic				
800.0				17 ± 2.5 ^s	
1000.0			20 ± 5.2 ^s		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					491 ± 18.7
Positive Control ³			513 ± 4.3	483 ± 19.7	
Positive Control ⁶	1261 ± 27.1	1293 ± 48.2			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	29 ± 2.8
10.0	21 ± 0.3
33.0	26 ± 0.9
100.0	21 ± 2.0
333.0	31 ± 1.5
500.0	
667.0	
800.0	Toxic
1000.0	
Trial Summary	Negative
Positive Control ²	608 ± 94.8
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 ****