

Experiment Number: 343093

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 5-Sulfoanthranilic acid

CAS Number: 3577-63-7

Date Report Requested: 09/12/2018

Time Report Requested: 23:19:28

NTP Study Number:

343093

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	126 ± 1.0	122 ± 3.6	142 ± 3.8	132 ± 8.2	117 ± 4.7
100.0	153 ± 11.0		135 ± 3.0		128 ± 6.9
333.0	132 ± 9.6	150 ± 5.2	139 ± 5.5	152 ± 6.5	125 ± 8.4
1000.0	148 ± 8.9	142 ± 5.2	117 ± 9.5	152 ± 6.8	124 ± 5.2
3333.0	126 ± 5.5	146 ± 9.0	135 ± 5.7	158 ± 8.5	120 ± 5.9
6666.0		152 ± 13.2		150 ± 0.7	
10000.0	141 ± 7.2	145 ± 8.0	142 ± 9.2 ^s	142 ± 9.6 ^s	117 ± 6.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1082 ± 50.9	930 ± 108.2	2193 ± 40.6
Positive Control ³	493 ± 24.8	447 ± 7.2			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	124 ± 3.5
100.0	
333.0	150 ± 5.0
1000.0	143 ± 3.1
3333.0	142 ± 7.4
6666.0	133 ± 5.2
10000.0	136 ± 9.8 ^s
Trial Summary	Negative
Positive Control ²	1577 ± 17.7
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	32 ± 3.0	23 ± 3.1	10 ± 2.7	6 ± 0.9	6 ± 0.9
100.0	37 ± 2.1		9 ± 3.5		
333.0	34 ± 2.2	26 ± 3.5	8 ± 3.2	12 ± 3.4	6 ± 0.9
1000.0	33 ± 2.0	30 ± 3.6	14 ± 3.2	8 ± 2.1	6 ± 1.5
3333.0	31 ± 1.3	30 ± 3.0	9 ± 2.3	11 ± 1.3	7 ± 1.2
6666.0		27 ± 1.7		18 ± 5.4	8 ± 2.1
10000.0	33 ± 3.2	24 ± 3.2	27 ± 9.8 ^s	28 ± 3.4 ^s	6 ± 2.8 ^s
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ³	531 ± 11.7	385 ± 7.1			
Positive Control ⁴			193 ± 14.4	163 ± 6.6	131 ± 30.2

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.6	8 ± 2.1	9 ± 1.9
100.0	9 ± 1.9		
333.0	8 ± 1.9	14 ± 2.4	8 ± 2.4
1000.0	16 ± 1.2	10 ± 2.2	9 ± 3.3
3333.0	11 ± 2.2	10 ± 2.8	3 ± 1.0
6666.0		13 ± 2.6	10 ± 1.2
10000.0	23 ± 8.5 ^s	10 ± 2.0 ^s	9 ± 2.3 ^s
Trial Summary	Equivocal	Negative	Negative
Positive Control ³			
Positive Control ⁴	426 ± 8.5	376 ± 36.1	268 ± 10.8

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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 ± 1.5	5 ± 0.7	8 ± 2.0	7 ± 2.5	14 ± 0.3
100.0	5 ± 1.2		11 ± 3.1		12 ± 1.3
333.0	5 ± 1.5	7 ± 2.7	6 ± 1.0	9 ± 2.1	7 ± 0.7
1000.0	4 ± 0.0	9 ± 2.6	8 ± 3.0	6 ± 0.3	9 ± 1.5
3333.0	5 ± 1.7	6 ± 1.0	8 ± 2.3	10 ± 1.2	9 ± 2.1
6666.0		6 ± 1.7		8 ± 1.3	
10000.0	7 ± 2.5	5 ± 2.0	8 ± 1.8 ^s	9 ± 1.8 ^s	7 ± 0.9 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			216 ± 23.7	185 ± 10.4	324 ± 13.2
Positive Control ⁵	143 ± 22.8	135 ± 21.4			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.5
100.0	
333.0	12 ± 0.0
1000.0	8 ± 1.5
3333.0	8 ± 1.0
6666.0	9 ± 1.5
10000.0	6 ± 0.9 ^s
Trial Summary	Negative
Positive Control ⁴	129 ± 0.6
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	21 ± 1.5	17 ± 1.7	28 ± 4.3	26 ± 0.9	34 ± 1.0
100.0	23 ± 2.9		33 ± 5.9		29 ± 2.7
333.0	23 ± 1.5	21 ± 3.8	28 ± 4.7	33 ± 6.7	35 ± 5.0
1000.0	22 ± 2.2	23 ± 3.5	40 ± 0.7	35 ± 3.5	36 ± 3.1
3333.0	21 ± 1.5	21 ± 2.6	25 ± 5.2	37 ± 3.0	34 ± 2.5
6666.0		23 ± 3.0		25 ± 3.5	
10000.0	22 ± 3.7	17 ± 0.7	34 ± 2.5 ^s	33 ± 3.2 ^s	22 ± 4.1 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			983 ± 21.0	727 ± 31.3	1773 ± 33.1
Positive Control ⁶	737 ± 15.2	878 ± 45.2			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	31 ± 3.8
100.0	
333.0	36 ± 4.3
1000.0	38 ± 3.5
3333.0	37 ± 2.0
6666.0	40 ± 2.6
10000.0	20 ± 4.0 ^s
Trial Summary	Negative
Positive Control ²	1285 ± 87.0
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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****