

Experiment Number: 181228

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 5-Amino-3-sulfosalicylic acid

CAS Number: 6201-87-2

Date Report Requested: 09/13/2018

Time Report Requested: 18:47:28

NTP Study Number:

181228

Study Result:

Negative

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Test Compound: 5-Amino-3-sulfosalicylic acid
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Date Report Requested: 09/13/2018

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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	83 ± 4.1	81 ± 4.1	90 ± 7.8	121 ± 16.7	79 ± 2.8
33.0	78 ± 7.2	75 ± 6.6	80 ± 4.3	116 ± 0.0	71 ± 5.1
100.0	84 ± 3.6	75 ± 1.0	79 ± 13.8	119 ± 11.5	74 ± 2.1
333.0	86 ± 3.5	82 ± 4.9	84 ± 3.5	119 ± 7.3	78 ± 4.2
1000.0	92 ± 7.1	80 ± 6.6	85 ± 5.9	124 ± 5.7	76 ± 8.8
1250.0	88 ± 3.2	79 ± 2.3	82 ± 5.7	134 ± 10.2	75 ± 5.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					332 ± 23.8
Positive Control ³	270 ± 5.7	307 ± 8.2			
Positive Control ⁴			289 ± 19.4		
Positive Control ⁵					
Positive Control ⁶				366 ± 9.1	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	97 ± 3.7
33.0	119 ± 6.6
100.0	93 ± 4.4
333.0	119 ± 8.5
1000.0	125 ± 0.9
1250.0	114 ± 4.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	327 ± 2.3
Positive Control ⁶	

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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	12 ± 1.5	17 ± 1.2	9 ± 2.5	9 ± 2.6	9 ± 4.3
33.0	8 ± 2.6	20 ± 1.7	8 ± 0.9	7 ± 1.7	9 ± 1.0
100.0	9 ± 1.2	14 ± 1.5	9 ± 2.0	9 ± 2.6	8 ± 2.0
333.0	15 ± 1.7	16 ± 2.6	7 ± 1.3	9 ± 0.3	10 ± 1.9
1000.0	10 ± 0.7	17 ± 2.1	6 ± 1.5	8 ± 1.5	7 ± 1.2
1250.0	10 ± 1.2	18 ± 4.6	6 ± 1.5	10 ± 2.0	10 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					54 ± 3.0
Positive Control ³	220 ± 14.2	200 ± 2.2			
Positive Control ⁵					
Positive Control ⁶			132 ± 7.0	56 ± 4.3	

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Test Compound: 5-Amino-3-sulfosalicylic acid

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 1.2
33.0	6 ± 1.2
100.0	8 ± 1.8
333.0	8 ± 2.0
1000.0	10 ± 2.0
1250.0	12 ± 3.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	75 ± 2.0
Positive Control ⁶	

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.8	8 ± 0.9	5 ± 1.2	10 ± 1.2	6 ± 1.3
33.0	6 ± 2.2	3 ± 1.0	6 ± 1.7	8 ± 1.2	6 ± 1.3
100.0	6 ± 1.8	5 ± 0.9	6 ± 0.9	8 ± 0.9	4 ± 0.6
333.0	6 ± 1.3	4 ± 0.0	6 ± 2.4	9 ± 1.0	6 ± 0.3
1000.0	6 ± 0.6	3 ± 0.7	7 ± 2.0	10 ± 1.2	5 ± 0.7
1250.0	9 ± 1.2	5 ± 1.5	7 ± 0.6	15 ± 1.2	7 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					67 ± 2.3
Positive Control ⁶			89 ± 9.6		
Positive Control ⁷				48 ± 6.8	
Positive Control ⁸	245 ± 22.6	29 ± 1.2			

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Strain: TA1537

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	10 ± 2.2
33.0	9 ± 1.2
100.0	6 ± 1.3
333.0	8 ± 2.8
1000.0	7 ± 0.5
1250.0	9 ± 1.5
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁷	169 ± 9.3
Positive Control ⁸	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	76 ± 5.2	77 ± 6.6	115 ± 8.3	114 ± 5.6	159 ± 8.6
33.0	86 ± 5.2	88 ± 7.8	110 ± 2.7	109 ± 12.1	160 ± 6.1
100.0	79 ± 3.8	77 ± 5.2	116 ± 2.7	127 ± 8.2	161 ± 5.0
333.0	71 ± 2.4	72 ± 3.9	124 ± 5.2	114 ± 8.7	160 ± 2.7
1000.0	63 ± 5.0	75 ± 0.3	97 ± 4.0	111 ± 9.9	151 ± 6.7
1250.0	72 ± 1.7	79 ± 3.5	94 ± 3.2	162 ± 10.5	124 ± 10.1 ^s
2500.0					185 ± 5.6 ^x
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ⁴					
Positive Control ⁶			774 ± 16.0		
Positive Control ⁷				346 ± 36.2	317 ± 19.4
Positive Control ⁹	504 ± 15.5	177 ± 5.2			

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	103 ± 2.6	99 ± 8.7
33.0	105 ± 6.1	96 ± 9.7
100.0	97 ± 11.7	105 ± 6.0
333.0	107 ± 4.3	86 ± 5.9
1000.0	107 ± 3.2	101 ± 8.0
1250.0	100 ± 11.5	94 ± 5.9
2500.0		
Trial Summary	Negative	Negative
Positive Control ⁴	474 ± 22.3	
Positive Control ⁶		
Positive Control ⁷		1010 ± 53.6
Positive Control ⁹		

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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	15 ± 1.0	13 ± 3.2	25 ± 1.5	28 ± 2.6	24 ± 1.8
33.0	11 ± 2.6	13 ± 0.9	22 ± 1.8	25 ± 5.5	22 ± 2.4
100.0	13 ± 3.8	17 ± 0.5	28 ± 3.8	23 ± 1.2	25 ± 2.0
333.0	12 ± 2.5	15 ± 2.0	19 ± 6.0	24 ± 2.0	20 ± 3.1
1000.0	17 ± 2.0	9 ± 2.3	29 ± 3.5	21 ± 4.4	21 ± 3.0
1250.0	16 ± 2.7	14 ± 4.9	30 ± 3.7	26 ± 1.8	29 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ¹⁰					170 ± 7.2
Positive Control ²			92 ± 7.5		
Positive Control ¹¹	134 ± 8.1	193 ± 5.6			
Positive Control ⁵				123 ± 4.9	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	23 ± 2.9
33.0	22 ± 2.2
100.0	21 ± 1.0
333.0	18 ± 1.2
1000.0	18 ± 0.7
1250.0	24 ± 5.0
Trial Summary	Negative
Positive Control ¹⁰	
Positive Control ²	115 ± 7.4
Positive Control ¹¹	
Positive Control ⁵	

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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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 2.5 ug/Plate 2-Aminoanthracene

8: 4.0 ug/Plate 9-Aminoacridine

9: 8.0 ug/Plate 9-Aminoacridine

10: 0.2 ug/Plate 2-Aminoanthracene

11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

x: Slight Toxicity and Precipitate

**** END OF REPORT ****