

Experiment Number: 241786

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 6-Amino-4-nitro-1-phenol-2-sulfonic acid

CAS Number: 96-67-3

Date Report Requested: 09/10/2018

Time Report Requested: 19:23:59

NTP Study Number:

241786

Study Result:

Negative

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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	105 ± 4.7	96 ± 7.1	93 ± 2.9	122 ± 7.3	86 ± 5.8
100.0	94 ± 2.6	82 ± 3.5	106 ± 2.2	113 ± 6.4	84 ± 8.1
333.0	105 ± 3.8	77 ± 3.6	84 ± 3.8	120 ± 3.8	89 ± 4.5
1000.0	117 ± 3.5	86 ± 1.5	88 ± 2.4	130 ± 3.6	93 ± 5.9
3333.0	108 ± 5.0	84 ± 2.7	85 ± 1.9	98 ± 6.7	99 ± 5.6
5000.0	107 ± 2.1	81 ± 7.6	84 ± 0.6	126 ± 8.8	119 ± 7.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					524 ± 21.2
Positive Control ³	371 ± 25.1	240 ± 25.2			
Positive Control ⁴			594 ± 14.2		
Positive Control ⁵					
Positive Control ⁶				361 ± 23.9	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	103 ± 3.1
100.0	96 ± 7.3
333.0	97 ± 10.3
1000.0	104 ± 17.0
3333.0	89 ± 3.0
5000.0	107 ± 10.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	313 ± 15.4
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	18 ± 3.0	21 ± 1.5	9 ± 1.2	12 ± 1.5	11 ± 1.3
100.0	17 ± 1.5	22 ± 2.0	10 ± 0.6	14 ± 2.4	7 ± 0.3
333.0	20 ± 2.6	20 ± 3.8	12 ± 1.0	11 ± 1.5	10 ± 1.5
1000.0	18 ± 1.2	15 ± 1.8	12 ± 1.9	10 ± 2.4	10 ± 3.9
3333.0	18 ± 3.5	25 ± 3.6	12 ± 0.6	10 ± 1.5	9 ± 1.2
5000.0	20 ± 3.1	15 ± 1.5	8 ± 2.6	10 ± 2.4	5 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					76 ± 2.8
Positive Control ³	219 ± 4.5	127 ± 6.1			
Positive Control ⁶			184 ± 7.9	92 ± 1.2	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	8 ± 1.2
100.0	10 ± 1.2
333.0	12 ± 3.0
1000.0	10 ± 3.5
3333.0	11 ± 1.3
5000.0	6 ± 1.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁶	83 ± 3.8

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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	99 ± 2.6	83 ± 6.4	173 ± 2.9	172 ± 8.0	145 ± 6.1
100.0	82 ± 0.9	83 ± 8.6	250 ± 5.5	160 ± 3.6	136 ± 2.7
333.0	112 ± 8.1	103 ± 7.1	217 ± 11.5	183 ± 9.0	118 ± 8.0
1000.0	128 ± 10.7	95 ± 12.4	154 ± 16.0	191 ± 0.3	134 ± 2.4
3333.0	101 ± 4.9	97 ± 2.3	120 ± 2.0	126 ± 7.1	122 ± 2.3
5000.0	104 ± 13.9	92 ± 7.3	95 ± 0.3	116 ± 1.8	
10000.0					119 ± 7.2
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ⁴					755 ± 5.8
Positive Control ⁶			868 ± 25.0		
Positive Control ⁷				423 ± 10.8	
Positive Control ⁸	928 ± 58.6	284 ± 12.5			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	179 ± 33.9
100.0	205 ± 14.3
333.0	218 ± 9.3
1000.0	216 ± 39.1
3333.0	212 ± 16.9
5000.0	180 ± 20.5
10000.0	
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁷	648 ± 10.9
Positive Control ⁸	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	17 ± 0.6	11 ± 2.3	20 ± 2.9	26 ± 2.7	21 ± 2.1
100.0	23 ± 2.5	18 ± 0.7	16 ± 2.2	20 ± 3.5	25 ± 2.4
333.0	14 ± 2.9	15 ± 1.2	15 ± 0.0	20 ± 1.7	22 ± 3.0
1000.0	17 ± 1.8	14 ± 2.6	16 ± 2.8	27 ± 1.7	20 ± 1.7
3333.0	22 ± 2.0	17 ± 1.7	20 ± 2.7	26 ± 4.7	21 ± 5.0
5000.0	20 ± 1.5	21 ± 4.2	17 ± 1.2	21 ± 2.4	30 ± 1.5
Trial Summary	Negative	Equivocal	Negative	Negative	Negative
Positive Control ⁹				115 ± 1.5	
Positive Control ²					
Positive Control ¹⁰	107 ± 0.3	150 ± 1.0	187 ± 11.2		
Positive Control ⁵					99 ± 6.6

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	21 ± 4.0	35 ± 3.7
100.0	28 ± 2.6	31 ± 3.8
333.0	25 ± 0.9	31 ± 1.0
1000.0	23 ± 1.0	26 ± 1.8
3333.0	20 ± 2.3	27 ± 2.4
5000.0	29 ± 4.1	21 ± 2.0
Trial Summary	Negative	Negative
Positive Control ⁹	202 ± 13.9	
Positive Control ²		86 ± 8.0
Positive Control ¹⁰		
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: 0.2 ug/Plate 2-Aminoanthracene

10: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****