

Experiment Number: 941907

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

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

CAS Number: 98-37-3

Date Report Requested: 09/17/2018

Time Report Requested: 12:45:52

NTP Study Number:

941907

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	120 ± 5.8	78 ± 6.0	97 ± 3.9	143 ± 9.2	75 ± 3.5
33.0	119 ± 7.1	92 ± 3.7	95 ± 4.9	151 ± 3.8	83 ± 3.1
100.0	111 ± 3.5	87 ± 2.3	94 ± 5.1	144 ± 6.9	88 ± 4.1
333.0	106 ± 5.5	84 ± 1.5	87 ± 4.1	144 ± 3.8	94 ± 2.9
1000.0	105 ± 2.7	104 ± 5.0	99 ± 5.7	134 ± 7.9	94 ± 5.5
2000.0	106 ± 7.2	95 ± 7.3	93 ± 3.2	142 ± 11.7	87 ± 2.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					394 ± 34.9
Positive Control ³	251 ± 15.0	294 ± 5.8			
Positive Control ⁴			276 ± 15.8		
Positive Control ⁵					
Positive Control ⁶				438 ± 8.5	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	138 ± 3.5
33.0	125 ± 2.6
100.0	132 ± 6.5
333.0	121 ± 6.9
1000.0	120 ± 7.3
2000.0	134 ± 11.1
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	368 ± 11.0
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	13 ± 2.1	26 ± 4.1	8 ± 0.7	13 ± 2.6	6 ± 1.7
33.0	10 ± 1.7	22 ± 4.1	6 ± 1.5	13 ± 2.2	6 ± 1.2
100.0	11 ± 1.2	29 ± 3.2	5 ± 1.2	15 ± 1.5	8 ± 0.6
333.0	11 ± 1.8	26 ± 3.3	11 ± 4.2	16 ± 2.3	9 ± 1.2
1000.0	12 ± 2.5	22 ± 4.4	7 ± 2.1	16 ± 2.3	9 ± 0.9
2000.0	14 ± 1.5	25 ± 0.9	7 ± 2.7	8 ± 2.3	11 ± 2.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					55 ± 2.9
Positive Control ³	112 ± 8.7	142 ± 1.7			
Positive Control ⁵					
Positive Control ⁶			164 ± 7.8	68 ± 7.6	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	15 ± 0.3
33.0	13 ± 2.3
100.0	8 ± 1.7
333.0	15 ± 1.9
1000.0	13 ± 1.5
2000.0	9 ± 2.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	58 ± 3.2
Positive Control ⁶	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	91 ± 5.5	191 ± 14.8	98 ± 3.5	169 ± 7.4	189 ± 10.7
33.0	96 ± 3.2	265 ± 13.0	79 ± 1.5	164 ± 10.7	172 ± 6.6
100.0	91 ± 9.8	267 ± 28.0	86 ± 5.8	166 ± 12.4	198 ± 9.3
333.0	83 ± 3.9	258 ± 31.2	86 ± 5.2	176 ± 0.9	186 ± 2.3
1000.0	88 ± 6.1	313 ± 13.3	79 ± 5.8	173 ± 21.5	197 ± 6.5
2000.0	87 ± 2.1	222 ± 12.3	82 ± 3.2	171 ± 9.3	205 ± 10.7
Trial Summary	Negative	Equivocal	Negative	Negative	Negative
Positive Control ⁴					
Positive Control ⁶				753 ± 19.5	
Positive Control ⁷					446 ± 12.3
Positive Control ⁸	381 ± 19.1	751 ± 26.6	808 ± 22.1		

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	235 ± 13.6	220 ± 2.1
33.0	265 ± 2.5	199 ± 12.9
100.0	259 ± 5.8	215 ± 12.7
333.0	230 ± 11.5	249 ± 0.3
1000.0	256 ± 7.0	179 ± 6.9
2000.0	248 ± 12.8	194 ± 4.9
Trial Summary	Negative	Negative
Positive Control ⁴	573 ± 14.1	
Positive Control ⁶		
Positive Control ⁷		726 ± 24.4
Positive Control ⁸		

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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 ± 3.5	19 ± 2.7	25 ± 3.1	29 ± 2.0	21 ± 0.7
33.0	17 ± 2.7	14 ± 2.7	25 ± 0.7	27 ± 1.3	24 ± 1.5
100.0	13 ± 0.9	18 ± 1.5	21 ± 3.7	24 ± 2.8	21 ± 2.8
333.0	13 ± 2.3	13 ± 2.2	23 ± 5.7	29 ± 1.7	29 ± 0.9
1000.0	14 ± 3.1	17 ± 4.6	34 ± 3.5	22 ± 2.5	22 ± 2.1
2000.0	16 ± 1.8	18 ± 2.4	Toxic	22 ± 3.8	27 ± 3.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁹					96 ± 11.8
Positive Control ²			107 ± 12.3		
Positive Control ¹⁰	130 ± 9.7	188 ± 22.1			
Positive Control ⁵				123 ± 9.9	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	35 ± 4.3
33.0	31 ± 4.5
100.0	25 ± 1.7
333.0	23 ± 4.3
1000.0	23 ± 4.5
2000.0	29 ± 0.9
Trial Summary	Negative
Positive Control ⁹	
Positive Control ²	102 ± 6.0
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 ****