

Experiment Number: 496798

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

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

CAS Number: 88-23-3

Date Report Requested: 09/12/2018

Time Report Requested: 04:29:53

NTP Study Number:

496798

Study Result:

Negative

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MutagenicityTest Compound: 6-Amino-4-chloro-1-phenol-2-sulfonic acid
CAS Number: 88-23-3

Time Report Requested: 04:29:53

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	97 ± 6.2	93 ± 9.6	107 ± 4.1	126 ± 8.5	88 ± 0.7
100.0	90 ± 4.9	96 ± 2.4	92 ± 1.3	113 ± 5.2	104 ± 7.0
333.0	86 ± 4.0	97 ± 6.2	107 ± 2.5	105 ± 8.9	97 ± 5.8
1000.0	95 ± 9.1	100 ± 0.3	117 ± 1.2	117 ± 14.6	104 ± 3.8
3333.0	92 ± 5.9	96 ± 6.7	108 ± 9.1	100 ± 5.9	90 ± 7.8
10000.0	91 ± 1.2	78 ± 13.6 ^s	120 ± 7.5	88 ± 6.4	117 ± 13.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					475 ± 25.0
Positive Control ³	440 ± 22.8	383 ± 32.4			
Positive Control ⁴			778 ± 26.5		
Positive Control ⁵					
Positive Control ⁶				458 ± 21.1	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	98 ± 8.5
100.0	107 ± 2.2
333.0	101 ± 5.8
1000.0	110 ± 1.5
3333.0	91 ± 8.5
10000.0	89 ± 12.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	321 ± 28.5
Positive Control ⁶	

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CAS Number: 88-23-3

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 ± 1.7	19 ± 2.5	14 ± 2.1	9 ± 0.3	10 ± 3.1
100.0	20 ± 3.8	19 ± 2.1	11 ± 1.9	11 ± 1.9	9 ± 1.2
333.0	23 ± 1.2	17 ± 0.9	13 ± 1.8	11 ± 1.8	9 ± 1.9
1000.0	21 ± 1.9	16 ± 4.7	11 ± 1.9	10 ± 1.5	9 ± 2.2
3333.0	17 ± 0.6	14 ± 1.7	11 ± 2.3	11 ± 2.6	10 ± 2.1
10000.0	16 ± 0.7	11 ± 5.7	7 ± 1.5	10 ± 1.5	9 ± 0.6 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					53 ± 3.3
Positive Control ³	279 ± 19.1	233 ± 12.4			
Positive Control ⁵					
Positive Control ⁷				68 ± 3.5	
Positive Control ⁶			217 ± 13.3		

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Test Compound: 6-Amino-4-chloro-1-phenol-2-sulfonic acid
CAS Number: 88-23-3

Date Report Requested: 09/12/2018

Time Report Requested: 04:29:53

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	7 ± 0.3
100.0	6 ± 1.8
333.0	8 ± 0.6
1000.0	7 ± 0.9
3333.0	9 ± 2.3
10000.0	7 ± 3.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	78 ± 8.4
Positive Control ⁷	
Positive Control ⁶	

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Date Report Requested: 09/12/2018

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MutagenicityTest Compound: 6-Amino-4-chloro-1-phenol-2-sulfonic acid
CAS Number: 88-23-3

Time Report Requested: 04:29:53

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	129 ± 10.7	70 ± 5.0	92 ± 3.5	179 ± 16.3	111 ± 6.6
100.0	111 ± 9.2	81 ± 4.8	80 ± 9.3	178 ± 12.7	104 ± 5.0
333.0	125 ± 6.6	61 ± 10.3	88 ± 1.3	174 ± 9.5	103 ± 3.5
1000.0	119 ± 3.6	79 ± 7.2	84 ± 7.2	207 ± 15.9	108 ± 3.0
3333.0	106 ± 2.8	64 ± 12.5	85 ± 4.4	168 ± 10.4	90 ± 2.9
10000.0	133 ± 15.6	90 ± 23.0	85 ± 3.4	167 ± 3.7	97 ± 8.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ⁴					
Positive Control ⁶				1121 ± 12.0	1071 ± 165.4
Positive Control ⁸	241 ± 2.1	206 ± 31.0	221 ± 11.7		

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Time Report Requested: 04:29:53

CAS Number: 88-23-3

Strain: TA97

Dose (ug/Plate)	With 30% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	107 ± 7.9	150 ± 11.3	95 ± 5.6	89 ± 1.2
100.0	108 ± 10.6	162 ± 13.1	98 ± 2.2	99 ± 5.2
333.0	105 ± 5.2	186 ± 10.1	98 ± 4.7	93 ± 8.4
1000.0	104 ± 4.2	179 ± 5.2	110 ± 7.6	84 ± 0.3
3333.0	113 ± 0.9	176 ± 5.8	107 ± 3.0	82 ± 8.6
10000.0	81 ± 5.9	176 ± 12.7	102 ± 3.8	80 ± 2.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²		335 ± 15.7		
Positive Control ⁴			1469 ± 20.0	
Positive Control ⁶	307 ± 5.5			405 ± 10.0
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	22 ± 2.2	22 ± 3.5	28 ± 2.9	25 ± 0.6	22 ± 3.3
100.0	26 ± 3.2	21 ± 3.2	28 ± 4.3	19 ± 1.5	31 ± 5.3
333.0	18 ± 1.9	23 ± 5.5	30 ± 3.5	26 ± 0.9	28 ± 5.5
1000.0	21 ± 1.5	19 ± 2.3	33 ± 1.7	30 ± 3.0	30 ± 2.6
3333.0	23 ± 1.8	29 ± 4.0	29 ± 6.4	30 ± 0.3	32 ± 4.6
10000.0	18 ± 2.2	21 ± 0.5	31 ± 3.2	15 ± 0.9	25 ± 5.8 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁹					157 ± 5.5
Positive Control ²			283 ± 3.4		
Positive Control ¹⁰	163 ± 9.1	164 ± 14.7			
Positive Control ⁵				166 ± 13.7	

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	17 ± 5.5
100.0	18 ± 1.5
333.0	24 ± 5.2
1000.0	23 ± 3.9
3333.0	25 ± 0.3
10000.0	22 ± 1.7
Trial Summary	Negative
Positive Control ⁹	
Positive Control ²	75 ± 6.3
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: 1.5 ug/Plate 2-Aminoanthracene

8: 3.5 ug/Plate 9-Aminoacridine

9: 0.2 ug/Plate 2-Aminoanthracene

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

s: Slight Toxicity

**** END OF REPORT ****