

Experiment Number: 848823

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,6-Dichlorobenzoic acid

CAS Number: 50-30-6

Date Report Requested: 09/16/2018

Time Report Requested: 08:15:28

NTP Study Number:

848823

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	116 ± 7.0	104 ± 6.7	125 ± 6.0	95 ± 3.5	113 ± 1.9
33.0	103 ± 3.0	106 ± 1.9	107 ± 9.9	89 ± 2.6	111 ± 6.5
100.0	104 ± 5.8	109 ± 9.5	104 ± 8.7	106 ± 4.5	104 ± 2.5
333.0	106 ± 4.3	97 ± 5.4	109 ± 1.2	104 ± 1.2	108 ± 2.8
1000.0	105 ± 12.0	101 ± 5.5	120 ± 2.4	106 ± 5.0	93 ± 3.8
3333.0	102 ± 7.9	106 ± 4.1	112 ± 7.5	103 ± 3.2	110 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					295 ± 4.5
Positive Control ³			275 ± 31.5		
Positive Control ⁴				394 ± 11.0	
Positive Control ⁵	902 ± 47.9	933 ± 21.3			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	106 ± 6.8
33.0	118 ± 7.0
100.0	98 ± 3.3
333.0	110 ± 3.8
1000.0	98 ± 1.0
3333.0	100 ± 13.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	385 ± 25.2
Positive Control ⁴	
Positive Control ⁵	

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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	14 ± 1.0	8 ± 0.7	9 ± 0.6	14 ± 1.0	8 ± 0.0
33.0	13 ± 0.3	8 ± 0.6	8 ± 0.6	13 ± 0.7	8 ± 0.6
100.0	13 ± 1.9	9 ± 0.3	7 ± 0.9	13 ± 0.6	8 ± 0.7
333.0	13 ± 0.7	8 ± 0.7	9 ± 1.2	12 ± 2.0	8 ± 0.7
1000.0	11 ± 2.2	10 ± 1.2	8 ± 0.6	12 ± 0.3	10 ± 1.7
3333.0	14 ± 1.5	7 ± 0.3	9 ± 0.3	10 ± 1.2	9 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					81 ± 2.9
Positive Control ⁵	810 ± 3.2	928 ± 32.9			
Positive Control ⁴			77 ± 5.2		
Positive Control ⁶				123 ± 7.0	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 1.5
33.0	11 ± 1.5
100.0	12 ± 1.5
333.0	12 ± 2.1
1000.0	10 ± 2.1
3333.0	11 ± 0.6
Trial Summary	Negative
Positive Control ³	
Positive Control ⁵	
Positive Control ⁴	173 ± 12.2
Positive Control ⁶	

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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	119 ± 3.0	101 ± 4.6	145 ± 9.0	178 ± 12.8	101 ± 5.4
33.0	105 ± 3.5	98 ± 6.1	146 ± 17.0	164 ± 7.5	106 ± 5.3
100.0	107 ± 5.5	100 ± 4.6	126 ± 8.0	193 ± 2.2	108 ± 4.9
333.0	125 ± 0.3	106 ± 4.9	125 ± 5.5	169 ± 16.7	109 ± 4.1
1000.0	123 ± 5.7	104 ± 1.3	105 ± 3.3	171 ± 7.5	124 ± 10.0
3333.0	109 ± 10.7	109 ± 10.1	124 ± 6.9	175 ± 6.6	123 ± 8.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					347 ± 16.5
Positive Control ³			360 ± 15.9		
Positive Control ⁴				425 ± 6.5	
Positive Control ⁷	371 ± 11.1	226 ± 16.3			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	144 ± 17.8
33.0	126 ± 6.2
100.0	132 ± 20.4
333.0	121 ± 2.1
1000.0	135 ± 9.2
3333.0	126 ± 1.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	432 ± 10.7
Positive Control ⁴	
Positive Control ⁷	

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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 ± 0.7	16 ± 1.5	17 ± 1.5	17 ± 0.6	19 ± 1.0
33.0	14 ± 1.2	16 ± 1.5	19 ± 2.3	16 ± 0.6	18 ± 1.8
100.0	14 ± 1.5	14 ± 0.3	15 ± 3.2	17 ± 0.9	14 ± 1.3
333.0	13 ± 1.7	15 ± 2.4	15 ± 1.5	14 ± 0.7	13 ± 0.0
1000.0	16 ± 0.6	12 ± 2.3	12 ± 1.7	17 ± 1.5	15 ± 1.2
3333.0	15 ± 0.7	18 ± 0.9	12 ± 2.0	16 ± 2.0	17 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					231 ± 14.7
Positive Control ³			136 ± 3.6		
Positive Control ⁸	354 ± 19.1	220 ± 14.4			
Positive Control ⁴				205 ± 5.2	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	16 ± 0.3
33.0	13 ± 1.2
100.0	15 ± 1.5
333.0	16 ± 1.2
1000.0	15 ± 1.5
3333.0	14 ± 1.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	226 ± 11.3
Positive Control ⁸	
Positive Control ⁴	

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 10.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****