

Experiment Number: 075374

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,3-Dibromo-1-propanol

CAS Number: 96-13-9

Date Report Requested: 09/11/2018

Time Report Requested: 00:34:28

NTP Study Number:

075374

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	119 ± 0.9	102 ± 1.7	110 ± 10.2	90 ± 7.5	152 ± 2.6
3.3		113 ± 4.7		145 ± 5.8	
33.0	191 ± 9.7	101 ± 11.3	266 ± 29.1	220 ± 9.8	1078 ± 28.9
100.0	317 ± 7.1	159 ± 4.7	681 ± 30.7	417 ± 4.2	2170 ± 111.5
333.0	914 ± 40.6	396 ± 38.1	1414 ± 77.2 ^s	1226 ± 42.7	3411 ± 34.5
1000.0	1418 ± 33.2 ^s	1946 ± 84.7	3264 ± 113.6 ^s	2485 ± 285.9	2803 ± 37.0 ^s
2000.0	899 ± 48.1 ^s		667 ± 73.0 ^s		470 ± 182.5 ^s
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					1440 ± 51.2
Positive Control ³			1311 ± 56.4	509 ± 35.5	
Positive Control ⁴	2322 ± 87.3	1748 ± 28.3			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	101 ± 9.7
3.3	258 ± 12.4
33.0	824 ± 36.1
100.0	2100 ± 60.8
333.0	3438 ± 41.0
1000.0	3699 ± 210.4
2000.0	
Trial Summary	Positive
Positive Control ²	1031 ± 137.2
Positive Control ³	
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 3.1	18 ± 0.7	9 ± 0.3	13 ± 1.2	14 ± 3.3
3.3		17 ± 3.5		26 ± 2.0	
33.0	26 ± 5.2	21 ± 1.7	43 ± 4.3	42 ± 3.8	278 ± 16.3
100.0	66 ± 6.7	27 ± 4.0	156 ± 18.3	142 ± 1.2	628 ± 32.5
333.0	216 ± 42.4	68 ± 2.0	498 ± 26.7	434 ± 57.5	1245 ± 30.7
1000.0	518 ± 28.0 ^s	407 ± 4.7	1351 ± 229.5 ^s	733 ± 235.0	1445 ± 40.8
2000.0	68 ± 12.1 ^s		99 ± 10.2 ^s		94 ± 9.0 ^s
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					153 ± 5.5
Positive Control ³			73 ± 2.6	54 ± 1.7	
Positive Control ⁴	1915 ± 26.7	1146 ± 91.2			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	16 ± 2.0
3.3	64 ± 5.5
33.0	206 ± 28.6
100.0	702 ± 149.4
333.0	1225 ± 96.1
1000.0	787 ± 111.5
2000.0	
Trial Summary	Positive
Positive Control ²	103 ± 27.1
Positive Control ³	
Positive Control ⁴	

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	11 ± 1.5	7 ± 1.9	7 ± 1.9	7 ± 1.3	8 ± 2.6
3.3		6 ± 1.2		7 ± 2.2	
33.0	9 ± 1.5	6 ± 0.6	11 ± 0.3	8 ± 2.7	7 ± 1.8
100.0	9 ± 0.7 ^s	5 ± 0.9	10 ± 1.7	7 ± 1.5	8 ± 1.3
333.0	9 ± 2.2 ^s	4 ± 1.5	9 ± 1.5	10 ± 1.5	10 ± 2.8
1000.0	7 ± 0.6 ^s	13 ± 1.7	27 ± 3.3 ^s	23 ± 1.2	17 ± 1.9 ^s
2000.0	Toxic		8 ± 0.9 ^s		Toxic
Trial Summary	Negative	Negative	Equivocal	Equivocal	Negative
Positive Control ²					144 ± 8.5
Positive Control ³			86 ± 7.1	56 ± 2.0	
Positive Control ⁵	504 ± 85.6	518 ± 74.0			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 2.2
3.3	8 ± 1.2
33.0	8 ± 2.0
100.0	11 ± 2.7
333.0	8 ± 1.5
1000.0	19 ± 6.8
2000.0	
Trial Summary	Negative
Positive Control ²	127 ± 4.2
Positive Control ³	
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 3.9	15 ± 0.7	30 ± 0.7	23 ± 3.8	29 ± 1.5
3.3		20 ± 1.5		20 ± 1.3	
33.0	22 ± 1.2	13 ± 1.5	35 ± 9.7	22 ± 2.1	37 ± 2.6
100.0	24 ± 2.3	18 ± 2.6	37 ± 4.7	32 ± 2.3	58 ± 2.7
333.0	43 ± 1.5 ^s	24 ± 1.9	58 ± 3.4	55 ± 3.0	110 ± 4.8
1000.0	68 ± 3.5 ^s	34 ± 20.2 ^s	154 ± 12.5	80 ± 31.4	162 ± 2.7 ^s
2000.0	Toxic		106 ± 20.5 ^s		76 ± 12.5 ^s
Trial Summary	Positive	Equivocal	Positive	Positive	Positive
Positive Control ²					1262 ± 60.4
Positive Control ³			1146 ± 66.9	675 ± 27.4	
Positive Control ⁶	1759 ± 43.4	1186 ± 21.8			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	23 ± 2.7
3.3	28 ± 0.8
33.0	28 ± 5.9
100.0	40 ± 6.7
333.0	82 ± 20.7
1000.0	136 ± 18.3
2000.0	
Trial Summary	Positive
Positive Control ²	1266 ± 43.3
Positive Control ³	
Positive Control ⁶	

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****