

Experiment Number: 835155

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data

Test Compound: **2,3-Dibromopropylmethacrylate**

CAS Number: **3066-70-4**

Date Report Requested: **09/15/2018**

Time Report Requested: **23:25:15**

NTP Study Number:

835155

Study Result:

Positive

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CAS Number: 3066-70-4

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	93 ± 3.7	94 ± 9.0	102 ± 4.5	87 ± 3.1	103 ± 10.7
0.01	97 ± 2.5				
0.03	101 ± 14.0				
0.1	98 ± 1.0				
0.3	106 ± 7.1				128 ± 7.8
1.0	92 ± 3.5				144 ± 21.8
3.0					281 ± 15.9
10.0		112 ± 8.5	112 ± 12.5	480 ± 12.9	508 ± 5.0
33.0		148 ± 4.4	144 ± 8.1	1002 ± 37.0	1038 ± 9.4
100.0		250 ± 13.9	230 ± 4.2	1346 ± 36.7	
333.0		571 ± 25.3	541 ± 10.1	1713 ± 57.1	
1000.0		432 ± 44.3 ^s	726 ± 45.0	1088 ± 107.4 ^s	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		441 ± 9.1	482 ± 16.1	1132 ± 40.3	1216 ± 32.9
Positive Control ³	345 ± 17.7				

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	28 ± 3.7	10 ± 1.2	7 ± 0.7	6 ± 0.3	7 ± 1.2
0.01	23 ± 2.7				
0.03	29 ± 0.9				
0.1	27 ± 3.5				
0.3	30 ± 3.2				13 ± 1.0
1.0	33 ± 1.9				20 ± 3.5
3.0					43 ± 3.5
10.0		14 ± 3.0	14 ± 2.0	105 ± 9.8	122 ± 10.7
33.0		28 ± 1.0	19 ± 0.9	316 ± 10.7	346 ± 23.5
100.0		54 ± 4.9	42 ± 5.7	571 ± 5.0	
333.0		174 ± 4.4	145 ± 9.0	1172 ± 0.9	
1000.0		278 ± 11.9	312 ± 12.5	122 ± 61.0 ^s	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ³	324 ± 21.2				
Positive Control ⁴		187 ± 9.9	153 ± 16.9	452 ± 9.8	267 ± 3.0

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Mutagenicity**G06: Ames Summary Data**Test Compound: 2,3-Dibromopropylmethacrylate
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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 2.7	3 ± 0.9	6 ± 1.7
0.01	4 ± 0.7		
0.03	3 ± 0.9		
0.1	6 ± 3.4		
0.3	5 ± 0.9		
1.0	5 ± 1.8		
10.0		7 ± 1.2	5 ± 0.6
33.0		6 ± 1.2	6 ± 0.6
100.0		7 ± 1.2	9 ± 1.8
333.0		6 ± 1.5	11 ± 2.0
1000.0		8 ± 2.9 ^s	5 ± 0.9
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		105 ± 6.2	339 ± 18.3
Positive Control ⁵	154 ± 23.7		

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Test Compound: 2,3-Dibromopropylmethacrylate

CAS Number: 3066-70-4

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	15 ± 1.9	25 ± 3.8	23 ± 2.9	30 ± 1.2	22 ± 3.2
0.01	16 ± 1.9				
0.03	15 ± 0.9				
0.1	17 ± 0.9				
0.3	16 ± 1.2				
1.0	20 ± 3.2				
10.0		27 ± 1.8	24 ± 3.5	34 ± 9.8	30 ± 9.0
33.0		28 ± 5.6	25 ± 2.9	40 ± 5.5	37 ± 5.0
100.0		33 ± 2.3	19 ± 0.3	62 ± 3.5	66 ± 8.1
333.0		35 ± 3.0	32 ± 1.9	119 ± 10.0	114 ± 13.6
1000.0		26 ± 4.2 ^s	38 ± 5.5	53 ± 8.6 ^s	45 ± 16.0 ^s
Trial Summary	Negative	Negative	Negative	Positive	Positive
Positive Control ²		404 ± 29.7	496 ± 76.4	1444 ± 62.5	1026 ± 43.8
Positive Control ⁶	354 ± 30.5				

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****