

Experiment Number: 823363

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,1-Dimethyl-1-(2-hydroxypropylamine)methacrylimide

CAS Number: 17341-40-1

Date Report Requested: 09/15/2018

Time Report Requested: 18:34:23

NTP Study Number:

823363

Study Result:

Negative

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MutagenicityTest Compound: 1,1-Dimethyl-1-(2-hydroxypropylamine)methacrylimide
CAS Number: 17341-40-1

Time Report Requested: 18:34:23

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	110 ± 3.2	105 ± 3.1	91 ± 5.2	115 ± 2.5	117 ± 5.5
100.0	106 ± 4.6	95 ± 3.2	92 ± 5.5	133 ± 5.1	111 ± 2.3
333.0	112 ± 5.8	102 ± 9.6	94 ± 0.0	115 ± 8.7	111 ± 6.5
1000.0	111 ± 6.8	106 ± 9.5	112 ± 3.7	132 ± 1.2	114 ± 9.1
3333.0	116 ± 2.5	99 ± 2.5	112 ± 5.2	123 ± 2.0	112 ± 1.5
10000.0	119 ± 2.1	104 ± 4.2	108 ± 9.7	138 ± 2.3	117 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1041 ± 14.7
Positive Control ³			1613 ± 75.8		
Positive Control ⁴				1063 ± 19.3	
Positive Control ⁵	777 ± 15.1	1238 ± 40.1			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	123 ± 8.9
100.0	107 ± 4.4
333.0	112 ± 8.2
1000.0	134 ± 1.7
3333.0	124 ± 3.9
10000.0	110 ± 3.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	1457 ± 37.3
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	35 ± 2.0	27 ± 1.0	17 ± 1.5	13 ± 2.1	19 ± 3.4
100.0	42 ± 3.8	20 ± 2.6	18 ± 0.3	13 ± 1.5	13 ± 1.2
333.0	50 ± 13.3	22 ± 2.6	15 ± 2.4	14 ± 2.0	15 ± 2.1
1000.0	39 ± 0.3	20 ± 2.6	13 ± 3.3	12 ± 0.3	14 ± 1.5
3333.0	42 ± 2.5	26 ± 1.9	12 ± 0.9	10 ± 0.9	20 ± 2.6
10000.0	47 ± 2.7	26 ± 4.3	14 ± 3.2	15 ± 2.6	15 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					121 ± 11.0
Positive Control ³			149 ± 8.7		
Positive Control ⁴				138 ± 9.0	
Positive Control ⁵	1231 ± 21.3	864 ± 18.8			

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Date Report Requested: 09/15/2018

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 1.2
100.0	14 ± 0.9
333.0	12 ± 3.2
1000.0	14 ± 4.4
3333.0	13 ± 1.7
10000.0	15 ± 1.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	191 ± 1.3
Positive Control ⁵	

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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	105 ± 2.6	103 ± 4.8	141 ± 1.9	155 ± 4.0	148 ± 4.1
100.0	105 ± 4.6	95 ± 4.6	145 ± 8.4	179 ± 4.5	137 ± 3.5
333.0	102 ± 5.3	100 ± 7.4	144 ± 7.5	169 ± 8.3	145 ± 6.8
1000.0	114 ± 2.7	100 ± 3.3	138 ± 5.5	153 ± 12.1	145 ± 3.0
3333.0	111 ± 3.7	80 ± 6.4	158 ± 3.0	155 ± 1.2	140 ± 4.4
10000.0	113 ± 2.1	90 ± 6.4	147 ± 3.3	139 ± 11.3	139 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					903 ± 20.5
Positive Control ³			1447 ± 35.5		
Positive Control ⁴				691 ± 37.7	
Positive Control ⁶	671 ± 6.5	1905 ± 19.2			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	156 ± 5.9
100.0	153 ± 5.9
333.0	171 ± 7.6
1000.0	183 ± 6.7
3333.0	174 ± 1.5
10000.0	170 ± 4.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	945 ± 15.2
Positive Control ⁶	

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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 ± 3.5	16 ± 4.0	41 ± 3.5	32 ± 2.0	41 ± 0.6
100.0	26 ± 1.8	13 ± 3.8	43 ± 3.8	32 ± 1.7	42 ± 0.6
333.0	23 ± 3.2	12 ± 3.4	42 ± 3.2	34 ± 3.6	46 ± 0.9
1000.0	19 ± 2.3	19 ± 3.5	39 ± 4.2	30 ± 2.9	38 ± 3.9
3333.0	21 ± 0.6	19 ± 3.2	40 ± 3.7	30 ± 1.2	36 ± 0.7
10000.0	20 ± 5.2	19 ± 4.0	40 ± 2.3	31 ± 2.2	40 ± 2.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1153 ± 37.4
Positive Control ³			2073 ± 61.5		
Positive Control ⁴				821 ± 24.9	
Positive Control ⁷	1851 ± 90.3	1995 ± 12.4			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	28 ± 5.8
100.0	33 ± 3.7
333.0	25 ± 3.1
1000.0	28 ± 1.2
3333.0	24 ± 3.0
10000.0	30 ± 3.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	1362 ± 25.9
Positive Control ⁷	

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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: Water

2: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate Sodium Azide

6: 4.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****