

Experiment Number: 349511

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

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

CAS Number: 38848-76-9

Date Report Requested: 09/13/2018

Time Report Requested: 15:16:37

NTP Study Number:

349511

Study Result:

Negative

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G06: Ames Summary Data

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MutagenicityTest Compound: 1,1-Dimethyl-1-(2-hydroxypropylamine)tetradecanimide
CAS Number: 38848-76-9

Time Report Requested: 15:16:37

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	113 ± 7.3	79 ± 1.5	82 ± 4.0	153 ± 6.6	109 ± 7.2
0.03	103 ± 4.4	67 ± 4.4			
0.1	90 ± 4.0	70 ± 1.7			
0.3	91 ± 2.1	77 ± 2.5			
1.0	78 ± 13.3 ^s	61 ± 2.6		143 ± 9.6	
3.3	52 ± 11.6 ^s	Toxic	80 ± 4.8	152 ± 9.5	102 ± 19.2
10.0			73 ± 4.4	138 ± 15.2	111 ± 1.5
33.0			71 ± 2.2	117 ± 8.5	123 ± 9.0
100.0			38 ± 4.7 ^s	111 ± 3.7	77 ± 1.5 ^s
200.0			0 ± 0.0 ^s		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					518 ± 23.2
Positive Control ³	229 ± 11.5	449 ± 8.8			
Positive Control ⁴			299 ± 4.7		
Positive Control ⁵					
Positive Control ⁶				335 ± 9.7	

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CAS Number: **38848-76-9**

Time Report Requested: 15:16:37

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	149 ± 5.0
0.03	
0.1	
0.3	
1.0	145 ± 9.1
3.3	130 ± 5.6
10.0	127 ± 7.1
33.0	143 ± 1.5
100.0	145 ± 7.1
200.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	360 ± 5.8
Positive Control ⁶	

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

Time Report Requested: 15:16:37

CAS Number: 38848-76-9

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 ± 3.2	14 ± 1.5	9 ± 1.5	16 ± 2.5	9 ± 0.3
0.03	12 ± 0.6	9 ± 2.5			
0.1	11 ± 1.7	12 ± 1.2			
0.3	10 ± 1.5	12 ± 1.7			
1.0	12 ± 0.3	11 ± 1.5			
3.3	6 ± 1.8 ^s	12 ± 2.8 ^s	14 ± 2.3	14 ± 2.1	11 ± 1.7
10.0			15 ± 1.3	19 ± 1.5	12 ± 1.0
33.0			13 ± 4.4	15 ± 1.3	14 ± 3.3
100.0			13 ± 1.2 ^s	14 ± 2.4	8 ± 2.0 ^s
200.0			4 ± 2.1 ^s	16 ± 0.9 ^s	2 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	282 ± 21.6	159 ± 7.0			
Positive Control ⁵					38 ± 4.3
Positive Control ⁶			89 ± 0.5	69 ± 7.9	

Experiment Number: 349511

G06: Ames Summary Data

Date Report Requested: 09/13/2018

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

Test Compound: 1,1-Dimethyl-1-(2-hydroxypropylamine)tetradecanamide
CAS Number: 38848-76-9

Time Report Requested: 15:16:37

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	8 ± 1.9
0.03	
0.1	
0.3	
1.0	
3.3	13 ± 2.0
10.0	10 ± 2.1
33.0	14 ± 0.6
100.0	15 ± 1.2
200.0	8 ± 2.1 ^s
Trial Summary	Negative
Positive Control ³	
Positive Control ⁵	74 ± 10.0
Positive Control ⁶	

Experiment Number: 349511

G06: Ames Summary Data

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Test Type: Genetic Toxicology - Bacterial
Mutagenicity

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

Time Report Requested: 15:16:37

CAS Number: 38848-76-9

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	2 ± 0.3	6 ± 1.2	7 ± 1.0	8 ± 1.2	10 ± 0.6
0.03	3 ± 0.6	7 ± 5.3			
0.1	5 ± 0.7	4 ± 0.7			
0.3	4 ± 1.8	5 ± 0.9			
1.0	3 ± 0.0	6 ± 2.1			
3.3	5 ± 1.5 ^s	6 ± 0.9 ^s	6 ± 1.8	5 ± 1.9	6 ± 1.5
10.0			5 ± 1.2	6 ± 2.0	5 ± 1.2
33.0			5 ± 1.2	5 ± 1.2	6 ± 2.1
100.0			7 ± 1.7 ^s	6 ± 0.0	5 ± 1.9 ^s
200.0			Toxic	6 ± 0.3 ^s	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					148 ± 5.4
Positive Control ⁶			178 ± 5.8		
Positive Control ⁷				29 ± 2.9	
Positive Control ⁸	1359 ± 60.4	72 ± 5.2			

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Test Compound: 1,1-Dimethyl-1-(2-hydroxypropylamine)tetradecanamide
CAS Number: 38848-76-9

Time Report Requested: 15:16:37

Strain: TA1537

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	6 ± 1.2
0.03	
0.1	
0.3	
1.0	
3.3	6 ± 1.5
10.0	9 ± 1.2
33.0	8 ± 0.9
100.0	10 ± 1.0 ^s
200.0	2 ± 0.3 ^s
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁷	107 ± 10.2
Positive Control ⁸	

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

Time Report Requested: 15:16:37

CAS Number: 38848-76-9

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	68 ± 6.2	74 ± 2.6	175 ± 8.4	165 ± 6.6	100 ± 4.3
0.03	76 ± 19.0	77 ± 3.2			
0.1	75 ± 3.2	63 ± 1.5			
0.3	62 ± 3.9	67 ± 1.5			
1.0	66 ± 4.9 ^s	60 ± 1.5			
3.3	37 ± 1.0 ^s	60 ± 4.6 ^s	165 ± 15.9	146 ± 5.6	88 ± 6.4
10.0			176 ± 6.4	159 ± 5.9	89 ± 5.4
33.0			150 ± 21.0 ^s	173 ± 13.8	76 ± 5.0
100.0			50 ± 2.7 ^s	177 ± 8.1 ^s	30 ± 2.3
200.0			Toxic	42 ± 4.1 ^s	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					687 ± 10.6
Positive Control ⁶			1184 ± 9.1		
Positive Control ⁷				358 ± 3.5	
Positive Control ⁹	1956 ± 44.7	402 ± 1.9			

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

Test Compound: 1,1-Dimethyl-1-(2-hydroxypropylamine)tetradecanamide
CAS Number: 38848-76-9

Time Report Requested: 15:16:37

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	139 ± 7.8
0.03	
0.1	
0.3	
1.0	
3.3	142 ± 5.9
10.0	137 ± 3.5
33.0	127 ± 6.6
100.0	103 ± 8.5 ^s
200.0	47 ± 9.5 ^s
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁷	963 ± 50.8
Positive Control ⁹	

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MutagenicityTest Compound: 1,1-Dimethyl-1-(2-hydroxypropylamine)tetradecanamide
CAS Number: 38848-76-9

Time Report Requested: 15:16:37

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	26 ± 2.6	19 ± 1.9	28 ± 4.4	37 ± 1.2	25 ± 2.9
0.03	33 ± 2.8	17 ± 1.5			
0.1	24 ± 0.3	18 ± 0.7			
0.3	21 ± 2.5	19 ± 1.2			
1.0	24 ± 1.0	19 ± 2.1		32 ± 2.6	
3.3	26 ± 1.5 ^s	17 ± 1.2 ^s	31 ± 3.5	37 ± 3.8	31 ± 2.0
10.0			19 ± 2.6	31 ± 2.9	28 ± 2.0
33.0			30 ± 6.4	34 ± 2.7	33 ± 2.2
100.0			27 ± 0.7 ^s	28 ± 4.1 ^s	29 ± 2.9 ^s
200.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ¹⁰					247 ± 21.4
Positive Control ²			487 ± 30.3		
Positive Control ⁵				116 ± 10.3	
Positive Control ¹¹	118 ± 7.0	126 ± 5.0			

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Time Report Requested: 15:16:37

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	41 ± 0.6
0.03	
0.1	
0.3	
1.0	35 ± 3.2
3.3	40 ± 0.7
10.0	34 ± 1.5
33.0	41 ± 3.2
100.0	34 ± 4.8
200.0	
Trial Summary	Negative
Positive Control ¹⁰	
Positive Control ²	82 ± 1.2
Positive Control ⁵	
Positive Control ¹¹	

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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: 95% Ethanol
 - 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: 2.5 ug/Plate 2-Aminoanthracene
 - 8: 4.0 ug/Plate 9-Aminoacridine
 - 9: 8.0 ug/Plate 9-Aminoacridine
 - 10: 0.2 ug/Plate 2-Aminoanthracene
 - 11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

**** END OF REPORT ****