

Experiment Number: 255801

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

G06: Ames Summary Data

Test Compound: **Mannide monooleate**

CAS Number: **25339-93-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **02:29:52**

NTP Study Number:

255801

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	94 ± 4.4	106 ± 5.1	131 ± 9.9	132 ± 7.5	132 ± 10.5
100.0	94 ± 4.4	109 ± 9.3	113 ± 1.8	141 ± 4.5	116 ± 11.5
333.0	97 ± 6.7	108 ± 0.3	129 ± 7.1	142 ± 6.0	107 ± 3.8
1000.0	82 ± 4.4	107 ± 7.0	126 ± 7.5	155 ± 6.2	128 ± 1.3
3333.0	82 ± 4.4	94 ± 3.5	131 ± 2.1	146 ± 11.0	103 ± 7.2
10000.0	85 ± 4.2	99 ± 5.8	123 ± 13.6	151 ± 5.5	117 ± 9.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					591 ± 37.5
Positive Control ³			321 ± 17.9		
Positive Control ⁴				378 ± 29.9	
Positive Control ⁵	509 ± 33.7	966 ± 60.6			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	114 ± 11.3
100.0	115 ± 6.1
333.0	110 ± 7.4
1000.0	119 ± 7.4
3333.0	123 ± 7.3
10000.0	103 ± 6.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	442 ± 20.0
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	8 ± 1.2	7 ± 1.2	12 ± 0.3	19 ± 0.3	10 ± 1.5
100.0	10 ± 2.1	7 ± 0.3	11 ± 1.2	14 ± 2.3	9 ± 1.2
333.0	7 ± 0.6	9 ± 0.3	13 ± 2.2	17 ± 1.2	8 ± 1.2
1000.0	8 ± 0.6	11 ± 1.7	12 ± 2.0	12 ± 2.7	13 ± 0.7
3333.0	8 ± 0.6	10 ± 1.5	15 ± 1.9	13 ± 0.9	9 ± 1.2
10000.0	6 ± 0.9	8 ± 1.0	10 ± 2.6	17 ± 1.7	9 ± 1.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					99 ± 11.6
Positive Control ⁴			127 ± 18.7		
Positive Control ⁵	681 ± 18.8	782 ± 29.8			
Positive Control ⁶				149 ± 3.8	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 2.0
100.0	13 ± 1.8
333.0	13 ± 2.1
1000.0	14 ± 2.4
3333.0	12 ± 1.5
10000.0	9 ± 0.6
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	271 ± 20.1
Positive Control ⁵	
Positive Control ⁶	

Experiment Number: 255801

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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	99 ± 2.4	141 ± 7.0	160 ± 6.4	125 ± 6.2	146 ± 5.9
100.0	96 ± 5.9	131 ± 9.8	155 ± 9.3	158 ± 13.6	141 ± 8.5
333.0	91 ± 0.3	123 ± 11.8	175 ± 10.5	163 ± 2.9	139 ± 10.1
1000.0	114 ± 2.1	129 ± 2.4	178 ± 5.6	143 ± 8.1	134 ± 10.2
3333.0	102 ± 5.5	131 ± 4.3	170 ± 0.3	138 ± 11.6	153 ± 8.4
10000.0	108 ± 10.4	134 ± 2.5	157 ± 6.4	167 ± 9.8	138 ± 12.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					545 ± 11.6
Positive Control ³			369 ± 11.1		
Positive Control ⁴				311 ± 3.8	
Positive Control ⁷	322 ± 14.3	331 ± 37.7			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	109 ± 13.2
100.0	98 ± 5.0
333.0	98 ± 1.2
1000.0	107 ± 10.3
3333.0	95 ± 3.3
10000.0	93 ± 3.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	259 ± 6.1
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	30 ± 3.7	16 ± 1.7	16 ± 1.5	32 ± 2.6	15 ± 0.6
100.0	24 ± 1.3	15 ± 2.6	23 ± 3.7	23 ± 1.7	18 ± 0.6
333.0	21 ± 1.7	16 ± 4.2	21 ± 4.4	22 ± 1.3	17 ± 0.9
1000.0	19 ± 1.2	18 ± 1.3	19 ± 3.2	18 ± 2.1	17 ± 0.7
3333.0	19 ± 3.0	17 ± 1.9	17 ± 2.5	23 ± 2.3	14 ± 2.0
10000.0	20 ± 2.9	14 ± 2.2	16 ± 1.5	24 ± 0.7	14 ± 4.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					529 ± 5.3
Positive Control ³			243 ± 8.9	164 ± 13.9	
Positive Control ⁸	348 ± 13.9	337 ± 10.8			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	27 ± 1.5
100.0	26 ± 1.2
333.0	22 ± 1.2
1000.0	19 ± 2.5
3333.0	21 ± 2.3
10000.0	18 ± 2.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	227 ± 2.9
Positive Control ⁸	

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

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

**** END OF REPORT ****