

Experiment Number: 578939

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Stearylpalmitate

CAS Number: 2598-99-4

Date Report Requested: 09/14/2018

Time Report Requested: 11:30:46

NTP Study Number:

578939

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	133 ± 6.1	122 ± 3.5	134 ± 2.1	154 ± 9.5	131 ± 6.4
10.0	132 ± 2.2	113 ± 9.6	131 ± 7.2	145 ± 6.1	124 ± 0.6
33.0	134 ± 4.3	121 ± 9.0	146 ± 6.1	140 ± 5.5	127 ± 1.3
100.0	129 ± 9.8	100 ± 3.3	121 ± 8.5	142 ± 3.2	133 ± 7.5
333.0	123 ± 16.3	103 ± 4.0	131 ± 2.9	148 ± 5.7	126 ± 4.6
1000.0	132 ± 1.5 ^p	115 ± 7.8 ^p	132 ± 2.9 ^p	165 ± 2.6 ^p	127 ± 3.8 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					756 ± 14.4
Positive Control ³	578 ± 15.9	318 ± 11.0			
Positive Control ⁴			742 ± 26.9		
Positive Control ⁵					
Positive Control ⁶				1020 ± 43.1	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	132 ± 3.3	133 ± 5.7
10.0	140 ± 7.2	128 ± 3.3
33.0	138 ± 5.4	130 ± 2.0
100.0	148 ± 2.7	117 ± 14.2
333.0	49 ± 48.7 ^x	126 ± 5.5
1000.0	40 ± 40.3 ^x	122 ± 13.6 ^p
Trial Summary	Negative	Negative
Positive Control ²		
Positive Control ³		
Positive Control ⁴		
Positive Control ⁵	602 ± 5.5	546 ± 64.8
Positive Control ⁶		

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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 ± 1.9	9 ± 2.7	12 ± 1.2	20 ± 5.8	10 ± 0.7
10.0	13 ± 0.3	9 ± 0.6	15 ± 3.6	14 ± 0.9	10 ± 0.6
33.0	11 ± 1.9	8 ± 2.3	10 ± 3.1	13 ± 1.2	9 ± 0.9
100.0	12 ± 0.7	13 ± 1.5	11 ± 1.9	12 ± 2.6	10 ± 0.6
333.0	8 ± 0.9	8 ± 1.8	11 ± 1.5	17 ± 3.8	11 ± 2.1
1000.0	7 ± 1.2 ^p	10 ± 0.9 ^p	13 ± 1.8 ^p	12 ± 0.6 ^p	8 ± 2.9 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					53 ± 3.7
Positive Control ³	142 ± 22.6	241 ± 8.6			
Positive Control ⁵					
Positive Control ⁶			118 ± 16.0	89 ± 0.6	

Experiment Number: 578939

Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data

Test Compound: Stearylpalmate

CAS Number: 2598-99-4

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	13 ± 2.1
10.0	10 ± 1.9
33.0	11 ± 2.5
100.0	13 ± 1.8
333.0	9 ± 2.7
1000.0	9 ± 1.2 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	46 ± 3.8
Positive Control ⁶	

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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	128 ± 3.5	116 ± 9.0	160 ± 8.0	184 ± 7.1	152 ± 5.9
10.0	111 ± 13.2	124 ± 3.5	161 ± 11.9	185 ± 8.4	154 ± 6.1
33.0	124 ± 8.7	126 ± 2.6	153 ± 11.2	185 ± 5.0	165 ± 12.0
100.0	136 ± 17.2	108 ± 6.4	166 ± 4.6	176 ± 3.6	152 ± 1.5
333.0	134 ± 15.7	115 ± 9.8	159 ± 2.4	194 ± 8.7	144 ± 4.6
1000.0	144 ± 5.9 ^p	119 ± 6.2 ^p	160 ± 4.9 ^p	205 ± 9.4 ^p	158 ± 20.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					1375 ± 49.1
Positive Control ⁶			1642 ± 22.1	475 ± 29.5	
Positive Control ⁷	401 ± 29.2	1593 ± 119.8			

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Date Report Requested: 09/14/2018

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	167 ± 5.8
10.0	158 ± 10.8
33.0	157 ± 1.0
100.0	134 ± 1.7
333.0	156 ± 11.2
1000.0	132 ± 23.0 ^p
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	592 ± 26.2
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	20 ± 3.3	24 ± 2.7	30 ± 3.6	24 ± 4.7	25 ± 0.7
10.0	14 ± 2.7	27 ± 4.4	38 ± 0.9	25 ± 1.0	22 ± 2.0
33.0	16 ± 3.4	18 ± 0.7	29 ± 3.0	24 ± 1.2	29 ± 4.0
100.0	18 ± 1.8	23 ± 2.3	31 ± 5.4	23 ± 3.2	25 ± 3.6
333.0	17 ± 0.6	23 ± 4.3	30 ± 6.8	24 ± 2.6	27 ± 2.0
1000.0	16 ± 3.8 ^p	20 ± 3.7 ^p	27 ± 3.5 ^p	25 ± 3.8 ^p	27 ± 4.8 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			317 ± 4.0		731 ± 20.6
Positive Control ⁸	320 ± 8.2	319 ± 7.7			
Positive Control ⁵				458 ± 13.6	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	17 ± 1.5
10.0	17 ± 4.2
33.0	20 ± 0.9
100.0	20 ± 0.3
333.0	9 ± 4.8
1000.0	17 ± 3.1 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ⁸	
Positive Control ⁵	390 ± 14.7

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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: Dimethyl Sulfoxide
- 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: 24.0 ug/Plate 9-Aminoacridine
- 8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
- p: Precipitate
- x: Slight Toxicity and Precipitate

**** END OF REPORT ****