

Experiment Number: 216212

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,3,5-Trimethylcyclohexyl salicylate

CAS Number: 118-56-9

Date Report Requested: 09/14/2018

Time Report Requested: 15:44:22

NTP Study Number:

216212

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	96 ± 5.2	118 ± 11.7	108 ± 2.9	146 ± 4.4	104 ± 4.2
10.0					94 ± 5.6
33.0					97 ± 3.5
100.0	95 ± 5.9	100 ± 1.7	96 ± 4.6	135 ± 6.2	91 ± 1.2
333.0	94 ± 8.2	86 ± 6.0	102 ± 7.4	123 ± 4.3	70 ± 4.3
1000.0	93 ± 6.2	88 ± 7.1	87 ± 4.7	101 ± 9.3	0 ± 0.0 ^s
3333.0	94 ± 4.6	93 ± 9.4	87 ± 3.0	101 ± 13.3	
10000.0	86 ± 5.0 ^p	106 ± 3.8	96 ± 7.3 ^p	119 ± 14.4	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1456 ± 35.4	1638 ± 60.4	1526 ± 39.4
Positive Control ³	287 ± 7.3	297 ± 16.9			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	101 ± 5.5
10.0	96 ± 5.0
33.0	89 ± 8.0
100.0	96 ± 2.9
333.0	73 ± 7.2
1000.0	7 ± 4.0
3333.0	
10000.0	
Trial Summary	Negative
Positive Control ²	1071 ± 51.0
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	21 ± 2.4	32 ± 2.3	5 ± 0.0	6 ± 1.2	7 ± 0.7
10.0					12 ± 2.3
33.0					6 ± 3.2
100.0	20 ± 3.1	18 ± 1.8	7 ± 0.3	7 ± 1.0	10 ± 1.0
333.0	21 ± 2.3	17 ± 2.2	5 ± 1.2	6 ± 0.7	3 ± 0.3
1000.0	22 ± 1.5	14 ± 2.0	7 ± 1.5	7 ± 1.0	1 ± 0.7 ^s
3333.0	23 ± 3.5	13 ± 3.2	5 ± 2.0	7 ± 3.2	
10000.0	24 ± 2.3 ^p	17 ± 2.3	5 ± 1.2 ^p	5 ± 1.2	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	327 ± 8.2	404 ± 28.2			
Positive Control ⁴			444 ± 25.2	535 ± 23.0	512 ± 24.7

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Date Report Requested: **09/14/2018**

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.9
10.0	4 ± 0.7
33.0	9 ± 2.9
100.0	4 ± 0.9
333.0	2 ± 0.6
1000.0	1 ± 0.3
3333.0	
10000.0	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	331 ± 20.1

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Date Report Requested: 09/14/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.0	7 ± 0.3	6 ± 0.6	6 ± 1.2	7 ± 1.2
10.0					8 ± 1.5
33.0					4 ± 0.6
100.0	4 ± 1.5	5 ± 1.5	4 ± 0.6	6 ± 0.9	4 ± 2.0
333.0	3 ± 0.3	4 ± 0.9	6 ± 1.0	6 ± 1.0	7 ± 1.0
1000.0	4 ± 0.0	4 ± 0.7	5 ± 0.7	7 ± 2.9	3 ± 1.3 ^s
3333.0	4 ± 1.5	4 ± 0.9	6 ± 0.3	5 ± 0.9	
10000.0	6 ± 1.2 ^p	5 ± 1.2	6 ± 1.2 ^p	8 ± 0.7	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			423 ± 21.2	509 ± 19.9	473 ± 6.7
Positive Control ⁵	161 ± 18.4	443 ± 51.6			

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CAS Number: **118-56-9**

Date Report Requested: **09/14/2018**

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 2.0
10.0	6 ± 1.8
33.0	6 ± 1.5
100.0	4 ± 0.6
333.0	5 ± 0.7
1000.0	2 ± 0.3
3333.0	
10000.0	
Trial Summary	Negative
Positive Control ⁴	224 ± 47.5
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 0.3	13 ± 2.6	31 ± 5.2	31 ± 3.3	32 ± 3.8
10.0					22 ± 2.5
33.0					28 ± 5.9
100.0	15 ± 1.3	11 ± 1.5	22 ± 2.3	24 ± 6.9	25 ± 2.6
333.0	17 ± 3.9	11 ± 1.5	22 ± 3.1	22 ± 3.4	21 ± 3.0
1000.0	13 ± 2.3	15 ± 1.0	21 ± 4.0	27 ± 3.8	19 ± 3.8
3333.0	8 ± 2.3	11 ± 1.0	23 ± 2.7	33 ± 2.3	
10000.0	14 ± 1.2 ^p	8 ± 0.7	22 ± 4.1 ^p	26 ± 7.2	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1195 ± 37.4	1221 ± 9.9	1364 ± 70.3
Positive Control ⁶	340 ± 20.0	431 ± 38.4			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	22 ± 1.7
10.0	18 ± 3.2
33.0	19 ± 1.2
100.0	19 ± 5.8
333.0	17 ± 1.5
1000.0	13 ± 6.0
3333.0	
10000.0	
Trial Summary	Negative
Positive Control ²	926 ± 57.1
Positive Control ⁶	

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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

p: Precipitate

s: Slight Toxicity

**** END OF REPORT ****