

Experiment Number: 264619

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Sodium ricinoleate

CAS Number: 5323-95-5

Date Report Requested: 09/11/2018

Time Report Requested: 08:13:41

NTP Study Number:

264619

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	103 ± 8.8	119 ± 8.3	176 ± 5.8	182 ± 4.6	183 ± 6.2
0.33	103 ± 3.5	117 ± 3.9	148 ± 4.6	154 ± 9.2	190 ± 6.3
1.0	109 ± 4.8	114 ± 6.2	159 ± 5.5	169 ± 2.9	157 ± 6.4
3.3	114 ± 13.1	129 ± 3.3	178 ± 6.8	178 ± 3.8	159 ± 5.9
10.0	111 ± 12.8	123 ± 3.2	175 ± 7.5	188 ± 3.6	191 ± 12.2
33.0	111 ± 5.9	133 ± 5.0	177 ± 9.4	161 ± 12.7	185 ± 2.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			547 ± 23.0	529 ± 34.0	1105 ± 124.9
Positive Control ³	520 ± 6.5	552 ± 41.0			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	184 ± 11.0
0.33	182 ± 9.0
1.0	173 ± 10.4
3.3	173 ± 9.3
10.0	202 ± 7.6
33.0	171 ± 10.7
Trial Summary	Negative
Positive Control ²	911 ± 51.9
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	7 ± 1.5	5 ± 1.2	7 ± 1.0	8 ± 0.6	6 ± 0.7
0.33	9 ± 3.3	5 ± 1.0	9 ± 3.1	7 ± 1.7	8 ± 0.3
1.0	5 ± 1.5	6 ± 1.5	3 ± 0.3	4 ± 1.3	6 ± 0.3
3.3	5 ± 1.0	3 ± 0.7	6 ± 1.2	7 ± 1.2	8 ± 0.7
10.0	8 ± 2.0	6 ± 0.9	4 ± 0.3	6 ± 1.3	6 ± 0.6
33.0	6 ± 0.6	3 ± 1.0	8 ± 2.1	4 ± 2.6	7 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			20 ± 2.3	26 ± 6.0	38 ± 4.8
Positive Control ³	489 ± 38.9	695 ± 95.3			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.5
0.33	9 ± 1.5
1.0	9 ± 1.5
3.3	8 ± 2.4
10.0	7 ± 0.3
33.0	5 ± 2.1
Trial Summary	Negative
Positive Control ²	73 ± 19.8
Positive Control ³	

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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 ± 0.6	6 ± 0.9	7 ± 0.9	11 ± 2.7	6 ± 0.9
0.33	4 ± 0.6	3 ± 1.5	6 ± 0.6	9 ± 0.9	6 ± 2.4
1.0	7 ± 1.2	5 ± 0.9	7 ± 0.3	8 ± 1.7	3 ± 1.5
3.3	6 ± 1.0	5 ± 1.5	8 ± 1.5	10 ± 2.2	4 ± 1.2
10.0	7 ± 2.4	4 ± 1.5	6 ± 0.9	9 ± 0.9	5 ± 0.3
33.0	6 ± 2.1	3 ± 1.7	7 ± 1.3	10 ± 1.3	5 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			19 ± 3.8	26 ± 5.5	50 ± 4.1
Positive Control ⁴	174 ± 43.2	245 ± 38.6			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.6
0.33	8 ± 1.7
1.0	6 ± 2.4
3.3	9 ± 2.3
10.0	6 ± 1.9
33.0	6 ± 0.9
Trial Summary	Negative
Positive Control ²	49 ± 11.5
Positive Control ⁴	

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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	9 ± 2.0	10 ± 0.7	18 ± 1.5	22 ± 2.3	22 ± 3.7
0.33	7 ± 0.9	11 ± 2.5	26 ± 2.6	29 ± 2.3	14 ± 3.2
1.0	11 ± 2.3	14 ± 1.5	17 ± 2.1	24 ± 2.4	21 ± 2.0
3.3	12 ± 0.3	9 ± 3.2	14 ± 2.6	24 ± 3.3	23 ± 2.3
10.0	9 ± 0.6	15 ± 2.9	15 ± 3.5	21 ± 1.7	13 ± 1.0
33.0	10 ± 0.3	13 ± 2.0	13 ± 1.8	18 ± 3.1	20 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			297 ± 15.5	177 ± 15.4	524 ± 68.3
Positive Control ⁵	402 ± 21.6	334 ± 34.8			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	24 ± 1.2
0.33	23 ± 4.6
1.0	22 ± 1.8
3.3	28 ± 1.5
10.0	15 ± 1.3
33.0	22 ± 1.5
Trial Summary	Negative
Positive Control ²	388 ± 32.0
Positive Control ⁵	

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****