

Experiment Number: 415494

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Di(2-ethylhexyl)sebacate

CAS Number: 122-62-3

Date Report Requested: 09/14/2018

Time Report Requested: 23:40:41

NTP Study Number:

415494

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	171 ± 4.2	193 ± 2.4	167 ± 12.4	184 ± 12.3	212 ± 16.0
100.0	151 ± 5.0	178 ± 14.6	139 ± 1.8	157 ± 10.3	173 ± 15.7
333.0	130 ± 1.2	154 ± 2.6	172 ± 7.0	201 ± 5.2	173 ± 2.2
1000.0	120 ± 5.6	191 ± 19.1	201 ± 14.6	192 ± 5.9	186 ± 21.7
3333.0	103 ± 6.2	175 ± 22.4	189 ± 9.9	154 ± 13.9	196 ± 16.6
10000.0	126 ± 11.8	156 ± 11.8	187 ± 7.3	189 ± 11.6	167 ± 10.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			459 ± 3.5	686 ± 74.9	611 ± 46.8
Positive Control ³	864 ± 18.1	1019 ± 51.9			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	196 ± 7.7
100.0	152 ± 13.0
333.0	146 ± 4.7
1000.0	168 ± 22.3
3333.0	159 ± 12.4
10000.0	176 ± 18.4
Trial Summary	Negative
Positive Control ²	1506 ± 131.4
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	9 ± 1.2	6 ± 1.0	14 ± 0.9	8 ± 1.2	13 ± 2.0
100.0	10 ± 0.9	10 ± 2.2	19 ± 2.0	6 ± 0.3	25 ± 2.3
333.0	6 ± 0.9	8 ± 0.0	21 ± 2.9	15 ± 2.1	22 ± 5.2
1000.0	7 ± 1.2	10 ± 2.3	16 ± 1.9	13 ± 2.2	25 ± 3.6
3333.0	7 ± 0.9	9 ± 3.0 ^p	14 ± 0.5	11 ± 2.3 ^p	20 ± 0.6
10000.0	7 ± 0.7	12 ± 3.7 ^p	11 ± 1.9	14 ± 1.2 ^p	15 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			40 ± 4.6	48 ± 6.8	88 ± 5.8
Positive Control ³	485 ± 31.6	119 ± 2.9			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	16 ± 2.2
100.0	11 ± 1.5
333.0	8 ± 1.0
1000.0	13 ± 1.2
3333.0	10 ± 1.2 ^p
10000.0	10 ± 1.0 ^p
Trial Summary	Negative
Positive Control ²	52 ± 8.7
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	21 ± 2.0	15 ± 4.0	17 ± 3.2	19 ± 1.9	19 ± 2.3
100.0	16 ± 2.8	15 ± 4.2	24 ± 2.3	18 ± 3.2	24 ± 4.2
333.0	13 ± 2.2	14 ± 1.5	33 ± 3.5	24 ± 6.5	28 ± 2.3
1000.0	12 ± 1.2	12 ± 6.0	27 ± 1.2	18 ± 2.0	30 ± 3.8
3333.0	13 ± 1.2	13 ± 2.4	21 ± 4.5	23 ± 5.5	20 ± 1.5
10000.0	14 ± 1.2	15 ± 2.7	18 ± 3.0	12 ± 1.3	12 ± 2.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			46 ± 3.5	151 ± 29.9	61 ± 10.0
Positive Control ⁴	64 ± 15.4	541 ± 115.2			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	21 ± 4.8
100.0	20 ± 1.9
333.0	25 ± 1.2
1000.0	23 ± 2.2
3333.0	26 ± 3.0
10000.0	25 ± 0.3
Trial Summary	Negative
Positive Control ²	409 ± 103.4
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	31 ± 2.6	34 ± 4.7	36 ± 3.4	39 ± 2.0	46 ± 2.2
100.0	26 ± 2.2	23 ± 5.4	47 ± 3.2	37 ± 6.2	41 ± 3.5
333.0	24 ± 3.2	24 ± 5.5	43 ± 1.9	34 ± 2.6	41 ± 7.2
1000.0	25 ± 2.6	30 ± 2.3	41 ± 2.0	38 ± 8.5	38 ± 7.2
3333.0	30 ± 3.6	34 ± 4.7	45 ± 6.8	34 ± 1.2	39 ± 2.3
10000.0	31 ± 5.2	26 ± 4.2	44 ± 2.2	42 ± 2.5	52 ± 5.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			381 ± 60.5	346 ± 14.0	342 ± 71.6
Positive Control ⁵	280 ± 56.3	328 ± 76.2			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	34 ± 5.0
100.0	38 ± 3.5
333.0	43 ± 3.6
1000.0	24 ± 3.2
3333.0	30 ± 6.2
10000.0	35 ± 2.3
Trial Summary	Negative
Positive Control ²	1236 ± 71.5
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: Dimethyl Sulfoxide

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

p: Precipitate

**** END OF REPORT ****