

Experiment Number: 753084

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

G06: Ames Summary Data

Test Compound: **Mono(2-ethylhexyl)adipate**

CAS Number: 4337-65-9

Date Report Requested: 09/17/2018

Time Report Requested: 11:18:54

NTP Study Number:

753084

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	85 ± 2.7	93 ± 3.7	97 ± 2.2	94 ± 9.0	123 ± 10.0
10.0	119 ± 3.3	120 ± 7.9		112 ± 8.7	
33.0	115 ± 9.5	116 ± 5.7	129 ± 3.7	95 ± 11.6	123 ± 18.8
100.0	97 ± 5.9	103 ± 12.4	122 ± 9.0	105 ± 11.7	124 ± 18.0
333.0	100 ± 1.3	110 ± 3.1	100 ± 9.8	124 ± 17.4	125 ± 14.0
1000.0	90 ± 7.1	123 ± 15.4	115 ± 4.4	115 ± 3.5	107 ± 9.0
3333.0			70 ± 17.6 ^s		67 ± 4.6 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			461 ± 26.6	441 ± 9.1	1336 ± 56.6
Positive Control ³	382 ± 7.7	345 ± 17.7			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	87 ± 3.1
10.0	103 ± 13.5
33.0	108 ± 3.5
100.0	99 ± 10.0
333.0	102 ± 13.6
1000.0	109 ± 17.1
3333.0	
Trial Summary	Negative
Positive Control ²	1132 ± 40.3
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	23 ± 1.9	28 ± 3.7	8 ± 0.6	10 ± 1.2	9 ± 1.9
10.0	31 ± 1.5	44 ± 0.7		14 ± 1.9	
33.0	26 ± 3.3	31 ± 6.1	11 ± 3.2	11 ± 3.7	7 ± 0.6
100.0	27 ± 0.6	42 ± 8.2	12 ± 3.7	9 ± 1.9	12 ± 2.2
333.0	26 ± 3.6	36 ± 4.4	10 ± 2.5	7 ± 0.7	10 ± 2.5
1000.0	28 ± 5.3	30 ± 1.5	5 ± 0.9	10 ± 3.8	8 ± 3.2
3333.0			5 ± 0.3 ^s		3 ± 0.9 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	519 ± 6.8	324 ± 21.2			
Positive Control ⁴			158 ± 11.5	187 ± 9.9	438 ± 43.0

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.3
10.0	11 ± 1.2
33.0	9 ± 0.3
100.0	7 ± 1.5
333.0	7 ± 0.6
1000.0	8 ± 0.9
3333.0	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	452 ± 9.8

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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	7 ± 0.9	7 ± 2.7	6 ± 1.9	3 ± 0.9	8 ± 2.3
10.0	5 ± 0.9	8 ± 0.3		8 ± 2.3	
33.0	4 ± 0.3	5 ± 1.7	6 ± 0.6	9 ± 3.5	10 ± 2.0
100.0	4 ± 1.3	6 ± 1.2	10 ± 3.3	10 ± 1.2	7 ± 2.7
333.0	4 ± 0.9	7 ± 2.9	6 ± 1.5	11 ± 1.7	6 ± 1.0
1000.0	5 ± 1.2	5 ± 0.6	2 ± 0.0	8 ± 1.3	5 ± 1.5
3333.0			3 ± 3.0 ^s		4 ± 2.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			128 ± 3.9	105 ± 6.2	298 ± 10.1
Positive Control ⁵	556 ± 5.2	154 ± 23.7			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.7
10.0	6 ± 0.7
33.0	6 ± 0.3
100.0	10 ± 1.3
333.0	5 ± 0.7
1000.0	5 ± 0.9
3333.0	
Trial Summary	Negative
Positive Control ⁴	339 ± 18.3
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	14 ± 0.3	15 ± 1.9	17 ± 1.8	25 ± 3.8	27 ± 1.5
10.0	11 ± 2.3	10 ± 5.3		29 ± 2.7	
33.0	15 ± 1.5	16 ± 1.5	21 ± 5.6	26 ± 2.0	25 ± 3.0
100.0	14 ± 1.5	12 ± 2.6	23 ± 3.7	27 ± 1.8	28 ± 4.3
333.0	13 ± 3.2	14 ± 3.1	21 ± 3.0	25 ± 2.0	25 ± 3.5
1000.0	14 ± 0.9	8 ± 1.9	23 ± 2.7	30 ± 7.8	23 ± 1.9
3333.0			6 ± 6.0 ^s		10 ± 4.4 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			402 ± 17.0	404 ± 29.7	1104 ± 32.4
Positive Control ⁶	1034 ± 21.2	354 ± 30.5			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	30 ± 1.2
10.0	26 ± 3.6
33.0	32 ± 2.5
100.0	23 ± 4.5
333.0	34 ± 3.8
1000.0	26 ± 4.0
3333.0	
Trial Summary	Negative
Positive Control ²	1444 ± 62.5
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

s: Slight Toxicity

**** END OF REPORT ****