

Experiment Number: 450847

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3-Propylideneophthalide

CAS Number: 17369-59-4

Date Report Requested: 09/11/2018

Time Report Requested: 03:42:49

NTP Study Number:

450847

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	142 ± 6.9	112 ± 5.6	102 ± 3.0	117 ± 8.9
3.3	107 ± 5.6	113 ± 2.6	100 ± 6.1	106 ± 6.0
10.0	122 ± 5.7	102 ± 6.6	114 ± 1.7	114 ± 0.6
33.0	112 ± 10.5	114 ± 2.6	124 ± 4.6	107 ± 6.2
100.0	133 ± 6.7	221 ± 16.3	204 ± 3.7	113 ± 2.7
200.0	96 ± 5.6 ^s	282 ± 22.0	307 ± 16.6	107 ± 6.2
300.0			276 ± 5.2 ^s	
400.0			115 ± 5.1 ^s	
Trial Summary	Negative	Positive	Positive	Negative
Positive Control ²				1334 ± 38.7
Positive Control ³		1766 ± 21.8		
Positive Control ⁴			2824 ± 124.4	
Positive Control ⁵	1208 ± 13.7			

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	20 ± 3.2	13 ± 1.5	9 ± 2.7
3.3	20 ± 1.3	10 ± 1.2	10 ± 1.2
10.0	19 ± 1.3	12 ± 2.6	9 ± 0.9
33.0	24 ± 1.0	13 ± 1.8	9 ± 0.3
100.0	19 ± 0.9	11 ± 1.5	9 ± 1.9
200.0	17 ± 4.5 ^s	13 ± 1.2	6 ± 1.2
Trial Summary	Negative	Negative	Negative
Positive Control ²			91 ± 1.7
Positive Control ³		126 ± 15.9	
Positive Control ⁵	903 ± 33.1		

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Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	86 ± 5.3	122 ± 1.2	110 ± 6.2
3.3	92 ± 5.2	144 ± 6.8	130 ± 12.3
10.0	94 ± 1.5	174 ± 12.0	109 ± 4.9
33.0	87 ± 7.8	125 ± 11.6	111 ± 5.8
100.0	98 ± 1.5	175 ± 3.8	124 ± 4.9
200.0	62 ± 6.0 ^s	181 ± 2.8	119 ± 10.5
Trial Summary	Negative	Equivocal	Negative
Positive Control ²			716 ± 44.4
Positive Control ³		961 ± 87.2	
Positive Control ⁶	1929 ± 74.3		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	27 ± 2.7	46 ± 1.9	47 ± 4.6
3.3	28 ± 4.5	50 ± 0.9	49 ± 3.5
10.0	33 ± 1.0	48 ± 0.6	43 ± 0.3
33.0	28 ± 0.4	43 ± 4.3	49 ± 0.9
100.0	31 ± 3.3	49 ± 4.0	48 ± 3.2
200.0	16 ± 2.9 ^s	49 ± 3.8	42 ± 4.6
Trial Summary	Negative	Negative	Negative
Positive Control ²			1166 ± 10.2
Positive Control ³		1381 ± 12.1	
Positive Control ⁷	1618 ± 37.1		

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 1.5 ug/Plate 9-Aminoacridine

5: 2.5 ug/Plate Sodium Azide

6: 4.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****