

Experiment Number: 845798

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: o-Benzyl-p-chlorophenol

CAS Number: 120-32-1

Date Report Requested: 09/16/2018

Time Report Requested: 04:38:47

NTP Study Number:

845798

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	99 ± 5.7	103 ± 4.0	125 ± 13.6	121 ± 7.0	123 ± 6.8
0.1	142 ± 9.7	133 ± 3.5			
0.3	126 ± 13.1	124 ± 7.3			
1.0	130 ± 3.8	114 ± 5.4	156 ± 3.9	129 ± 12.8	125 ± 10.3
3.0	140 ± 9.4	138 ± 5.4	158 ± 3.2	141 ± 9.1	111 ± 16.1
10.0	151 ± 8.1	133 ± 2.3	114 ± 10.5	135 ± 3.5	115 ± 5.2
33.0			115 ± 8.7	129 ± 3.8	125 ± 0.9
66.0				116 ± 10.1	
100.0			41 ± 20.7 ^s		117 ± 13.0
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ²	433 ± 17.5	281 ± 6.9			
Positive Control ³			533 ± 44.5	572 ± 32.9	1617 ± 71.3

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	108 ± 5.4
0.1	
0.3	
1.0	107 ± 5.0
3.0	105 ± 4.3
10.0	109 ± 4.2
33.0	109 ± 9.4
66.0	
100.0	84 ± 9.9 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1112 ± 18.2

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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 ± 2.8	22 ± 2.0	7 ± 0.3	11 ± 2.4	10 ± 3.3
0.1	34 ± 7.7	32 ± 5.8			
0.3	44 ± 3.2	35 ± 3.7			
1.0	42 ± 3.2	37 ± 2.4	11 ± 2.7	11 ± 3.3	14 ± 1.2
3.0	48 ± 1.3	31 ± 1.8	9 ± 2.5	11 ± 2.2	11 ± 1.0
10.0	45 ± 0.9	38 ± 5.2	10 ± 1.2	10 ± 3.2	7 ± 1.5
33.0			8 ± 2.2	8 ± 3.9	14 ± 1.2
66.0				13 ± 0.3	
100.0			2 ± 1.2 ^s		7 ± 2.1
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ²	488 ± 6.0	295 ± 1.7			
Positive Control ⁴			208 ± 5.8	129 ± 17.6	458 ± 12.6

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 0.9
0.1	
0.3	
1.0	5 ± 0.3
3.0	6 ± 1.0
10.0	9 ± 1.9
33.0	9 ± 2.8
66.0	
100.0	4 ± 0.3 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	312 ± 11.7

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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 ± 1.2	4 ± 1.0	4 ± 0.9	6 ± 0.9	5 ± 1.0
0.1	6 ± 0.0	6 ± 1.9			
0.3	4 ± 0.7	4 ± 1.5			
1.0	4 ± 1.2	6 ± 0.9	6 ± 1.7	8 ± 1.0	7 ± 0.9
3.0	5 ± 0.3	6 ± 1.5	4 ± 1.2	10 ± 1.2	9 ± 2.1
10.0	4 ± 0.3	5 ± 1.2	7 ± 0.6	7 ± 1.8	8 ± 0.6
33.0			7 ± 1.2	6 ± 0.9	9 ± 1.9
66.0				7 ± 0.7	
100.0			2 ± 2.0 ^s		5 ± 1.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			168 ± 4.7	146 ± 6.4	328 ± 6.2
Positive Control ⁵	161 ± 6.7	329 ± 59.5			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.2
0.1	
0.3	
1.0	6 ± 0.9
3.0	7 ± 0.3
10.0	4 ± 1.0
33.0	6 ± 0.3
66.0	
100.0	2 ± 0.3 ^s
Trial Summary	Negative
Positive Control ⁴	335 ± 37.6
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	16 ± 1.8	16 ± 0.3	32 ± 0.6	24 ± 0.3	31 ± 3.6
0.1	16 ± 0.9	16 ± 1.0			
0.3	17 ± 3.5	18 ± 1.0			
1.0	15 ± 0.7	18 ± 3.8	30 ± 6.2	24 ± 2.4	32 ± 2.2
3.0	11 ± 4.0	14 ± 1.5	31 ± 2.6	31 ± 1.5	27 ± 1.8
10.0	14 ± 2.4	15 ± 2.1	28 ± 1.7	29 ± 1.7	22 ± 4.7
33.0			27 ± 2.2	32 ± 0.7	26 ± 1.9
66.0				27 ± 1.8	
100.0			0 ± 0.0 ^s		19 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			535 ± 16.8	446 ± 24.0	1438 ± 97.8
Positive Control ⁶	908 ± 46.9	472 ± 27.7			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	26 ± 4.0
0.1	
0.3	
1.0	30 ± 3.5
3.0	24 ± 2.3
10.0	25 ± 2.6
33.0	19 ± 4.6
66.0	
100.0	0 ± 0.0 ^s
Trial Summary	Negative
Positive Control ³	774 ± 37.1
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 Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

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 ****