

Experiment Number: 887314

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 4-(2,4-Dinitroanilino)phenol

CAS Number: 119-15-3

Date Report Requested: 09/16/2018

Time Report Requested: 19:59:17

NTP Study Number:

887314

Study Result:

Positive

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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	139 ± 4.0	94 ± 4.9	109 ± 3.5	81 ± 8.5	94 ± 4.4
3.3	149 ± 8.7	97 ± 3.2	112 ± 5.2	91 ± 3.8	116 ± 7.0
10.0	164 ± 4.3	114 ± 9.0	129 ± 9.1	101 ± 5.0	177 ± 9.1
33.0	211 ± 11.5	189 ± 8.6	194 ± 4.4	180 ± 4.3	277 ± 11.0
100.0	264 ± 3.8 ^s	233 ± 6.1 ^s	278 ± 14.0	280 ± 7.8	430 ± 7.8
200.0	374 ± 25.5 ^s	Toxic	398 ± 5.9 ^s	445 ± 13.0 ^s	492 ± 8.3 ^s
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					365 ± 20.4
Positive Control ³			1075 ± 33.0	1303 ± 21.9	
Positive Control ⁴	1373 ± 24.6	1397 ± 23.7			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	98 ± 1.2
3.3	98 ± 3.5
10.0	113 ± 3.0
33.0	225 ± 17.9
100.0	408 ± 7.0
200.0	506 ± 3.8 ^s
Trial Summary	Positive
Positive Control ²	1051 ± 25.7
Positive Control ³	
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	22 ± 1.2	13 ± 1.2	12 ± 1.5
3.3	27 ± 5.0	13 ± 2.7	14 ± 2.8
10.0	27 ± 2.0	15 ± 2.0	16 ± 1.3
33.0	29 ± 3.0	17 ± 2.5	14 ± 2.7
100.0	25 ± 4.7 ^s	14 ± 1.7	14 ± 2.9
200.0	Toxic	19 ± 4.6 ^s	14 ± 1.2 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ²			65 ± 7.1
Positive Control ³		111 ± 6.8	
Positive Control ⁴	838 ± 19.9		

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	89 ± 3.3	87 ± 2.0	136 ± 5.9	170 ± 8.3	113 ± 9.6
3.3	113 ± 7.5	92 ± 3.0	144 ± 3.9	178 ± 9.9	115 ± 1.7
10.0	154 ± 3.1	100 ± 11.0	146 ± 3.8	159 ± 12.0	164 ± 15.3
33.0	271 ± 15.1	132 ± 11.0	179 ± 15.6	197 ± 4.4	233 ± 16.4
100.0	226 ± 14.8 ^s	67 ± 26.5 ^s	226 ± 7.8	260 ± 6.6	298 ± 7.0
200.0	208 ± 4.2 ^s	52 ± 24.0 ^s	230 ± 10.9 ^s	267 ± 19.9 ^s	334 ± 8.5
Trial Summary	Positive	Equivocal	Weakly Positive	Weakly Positive	Positive
Positive Control ²					376 ± 22.2
Positive Control ³			1089 ± 15.2	864 ± 20.9	
Positive Control ⁵	381 ± 9.8	172 ± 21.9			

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	135 ± 8.4
3.3	162 ± 5.5
10.0	207 ± 3.5
33.0	239 ± 13.0
100.0	335 ± 18.6
200.0	368 ± 8.2 ^s
Trial Summary	Positive
Positive Control ²	746 ± 15.8
Positive Control 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	19 ± 3.2	17 ± 1.5	32 ± 2.2	23 ± 0.9	33 ± 1.9
3.3	22 ± 1.5	22 ± 0.7	45 ± 3.1	36 ± 2.0	46 ± 8.8
10.0	20 ± 4.2	18 ± 0.3	46 ± 1.5	41 ± 3.9	47 ± 4.7
33.0	34 ± 1.7	28 ± 2.7	58 ± 2.3	50 ± 6.2	70 ± 5.2
100.0	89 ± 7.0	44 ± 1.2	71 ± 4.4	73 ± 6.1	87 ± 5.7
200.0	48 ± 7.1 ^s	37 ± 3.5 ^s	100 ± 3.5	88 ± 6.6 ^s	108 ± 10.0
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					408 ± 27.5
Positive Control ³			1141 ± 10.1	779 ± 40.3	
Positive Control ⁶	1498 ± 7.4	1419 ± 31.7			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	31 ± 0.9
3.3	39 ± 3.5
10.0	40 ± 0.9
33.0	50 ± 2.3
100.0	67 ± 2.3
200.0	102 ± 2.6 ^s
Trial Summary	Positive
Positive Control ²	718 ± 10.5
Positive Control ³	
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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 4.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****