

Experiment Number: 853538

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3-Nitro-p-acetophenetide

CAS Number: 1777-84-0

Date Report Requested: 09/16/2018

Time Report Requested: 09:03:29

NTP Study Number:

853538

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	116 ± 21.4	91 ± 3.1	98 ± 13.5	73 ± 2.7	125 ± 9.4
33.3		73 ± 4.6		108 ± 0.3	
100.0	136 ± 5.9	85 ± 4.1	130 ± 14.2	117 ± 5.6	412 ± 11.1
333.3	141 ± 5.8	104 ± 7.8	188 ± 15.1	156 ± 3.4	576 ± 14.3
1000.0	289 ± 22.7	238 ± 10.5	263 ± 13.1	274 ± 16.2	772 ± 47.5
3333.3	400 ± 11.0 ^p	295 ± 18.2	315 ± 18.0 ^p	356 ± 22.1	655 ± 116.0 ^p
6666.6	342 ± 59.5 ^s		280 ± 4.2 ^s		270 ± 71.7 ^s
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²			421 ± 21.4	553 ± 16.5	1561 ± 53.0
Positive Control ³	431 ± 19.9	194 ± 10.4			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	88 ± 8.1
33.3	189 ± 7.2
100.0	336 ± 6.0
333.3	451 ± 4.6
1000.0	703 ± 30.2
3333.3	909 ± 81.9
6666.6	
Trial Summary	Positive
Positive Control ²	1571 ± 35.4
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	13 ± 4.0	12 ± 0.9	4 ± 1.0	5 ± 0.3	6 ± 0.6
33.3		10 ± 1.3		7 ± 1.2	
100.0	8 ± 0.9	15 ± 1.7	9 ± 1.5	5 ± 0.7	19 ± 6.9
333.3	10 ± 2.5	10 ± 1.7	9 ± 2.6	6 ± 1.0	15 ± 1.8
1000.0	11 ± 3.8	19 ± 2.9	10 ± 1.2	11 ± 3.0	31 ± 1.2
3333.3	15 ± 3.5 ^p	21 ± 5.4	13 ± 1.7 ^p	8 ± 0.9	56 ± 6.1 ^p
6666.6	8 ± 1.5 ^s		7 ± 0.3 ^s		13 ± 4.5 ^s
Trial Summary	Negative	Negative	Equivocal	Negative	Positive
Positive Control ³	369 ± 36.5	99 ± 4.2			
Positive Control ⁴			241 ± 27.1	130 ± 9.2	241 ± 18.0

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.2
33.3	9 ± 2.5
100.0	10 ± 2.2
333.3	16 ± 0.3
1000.0	21 ± 4.0
3333.3	47 ± 6.4
6666.6	
Trial Summary	Positive
Positive Control ³	
Positive Control ⁴	403 ± 35.6

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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 ± 1.0	6 ± 1.0	5 ± 1.5	9 ± 1.7	6 ± 0.3
33.3		7 ± 2.5		5 ± 0.9	
100.0	7 ± 0.6	6 ± 0.7	7 ± 0.6	5 ± 0.9	8 ± 2.2
333.3	11 ± 2.1	4 ± 0.9	14 ± 1.2	5 ± 0.6	12 ± 3.7
1000.0	17 ± 5.7	12 ± 2.7	14 ± 3.6	9 ± 1.9	21 ± 2.5
3333.3	25 ± 2.0 ^p	22 ± 1.9	19 ± 3.5 ^p	14 ± 2.4	29 ± 1.9 ^p
6666.6	7 ± 1.5 ^s		17 ± 2.9 ^s		14 ± 3.9 ^s
Trial Summary	Equivocal	Equivocal	Positive	Negative	Positive
Positive Control ⁴			135 ± 10.0	73 ± 5.9	174 ± 11.5
Positive Control ⁵	174 ± 5.9	228 ± 12.1			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	4 ± 0.3
33.3	8 ± 2.2
100.0	6 ± 1.0
333.3	9 ± 1.5
1000.0	18 ± 1.7
3333.3	29 ± 1.8
6666.6	
Trial Summary	Positive
Positive Control ⁴	240 ± 14.8
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	24 ± 4.6	15 ± 3.9	23 ± 3.4	22 ± 2.5	31 ± 3.2
33.3		17 ± 2.0		23 ± 2.2	
100.0	23 ± 3.0	14 ± 0.6	28 ± 1.5	16 ± 0.6	50 ± 4.2
333.3	20 ± 2.1	12 ± 1.7	34 ± 3.7	29 ± 2.1	88 ± 6.1
1000.0	51 ± 8.1	25 ± 7.8	51 ± 3.5	43 ± 6.1	162 ± 18.0
3333.3	74 ± 1.2 ^p	55 ± 9.2	97 ± 4.3 ^p	98 ± 14.5	184 ± 15.4 ^p
6666.6	79 ± 20.0 ^s				120 ± 16.3 ^s
16666.6			115 ± 2.3 ^p		
Trial Summary	Positive	Equivocal	Positive	Positive	Positive
Positive Control ²			203 ± 2.5	290 ± 14.7	1309 ± 46.7
Positive Control ⁶	779 ± 71.8	424 ± 14.2			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	22 ± 4.2
33.3	21 ± 0.3
100.0	33 ± 3.7
333.3	61 ± 7.3
1000.0	125 ± 7.0
3333.3	169 ± 20.8
6666.6	
16666.6	
Trial Summary	Positive
Positive Control ²	891 ± 58.4
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

p: Precipitate

s: Slight Toxicity

**** END OF REPORT ****