

Experiment Number: 020757

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 6-Nitrophthalhydrazide

CAS Number: 3682-19-7

Date Report Requested: 09/14/2018

Time Report Requested: 12:38:27

NTP Study Number:

020757

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	88 ± 2.7	119 ± 11.8	118 ± 0.7	117 ± 8.0
100.0	85 ± 3.2	165 ± 7.8	163 ± 7.5	127 ± 1.5
333.0	108 ± 1.5	175 ± 13.0	126 ± 10.2	167 ± 6.7
1000.0	180 ± 3.8	225 ± 14.5	171 ± 4.5	200 ± 9.2
3333.0	201 ± 9.0	285 ± 8.2	191 ± 2.9	260 ± 9.0
5000.0	146 ± 5.1			
10000.0		164 ± 15.5 ^p	109 ± 14.9 ^p	119 ± 8.1 ^p
Trial Summary	Positive	Positive	Equivocal	Positive
Positive Control ²	315 ± 11.1	395 ± 23.1		
Positive Control ³				522 ± 22.2
Positive Control ⁴			401 ± 11.3	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	18 ± 2.0	16 ± 1.2	11 ± 2.3	18 ± 3.5	21 ± 1.5
10.0	29 ± 3.5		18 ± 4.3		25 ± 3.5
33.0	64 ± 2.8		31 ± 2.1		36 ± 3.3
100.0	137 ± 6.8	115 ± 1.8	42 ± 1.2	34 ± 5.7	44 ± 2.3
333.0	303 ± 11.6	274 ± 4.5	70 ± 5.5	69 ± 2.0	105 ± 7.0
1000.0	761 ± 22.6	705 ± 15.0	172 ± 3.7	117 ± 7.5	213 ± 25.1
3333.0		958 ± 8.4		214 ± 8.5	
10000.0		1033 ± 23.6 ^p		293 ± 51.3 ^p	
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ⁵					76 ± 0.9
Positive Control ³			115 ± 6.9	116 ± 1.7	
Positive Control ⁶	254 ± 14.0	278 ± 19.2			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	28 ± 1.2
10.0	
33.0	
100.0	62 ± 1.2
333.0	120 ± 8.7
1000.0	283 ± 4.9
3333.0	486 ± 11.6
10000.0	734 ± 14.4 ^p
Trial Summary	Positive
Positive Control ⁵	59 ± 8.0
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: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 0.4 ug/Plate 2-Aminoanthracene

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

** END OF REPORT **