

Experiment Number: 182273

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,3-Dinitronaphthalene

CAS Number: 606-37-1

Date Report Requested: 09/13/2018

Time Report Requested: 18:58:47

NTP Study Number:

182273

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	139 ± 6.7	91 ± 5.2	141 ± 6.0	93 ± 7.5	124 ± 7.9
0.3	153 ± 4.6	109 ± 5.8	153 ± 5.5	100 ± 7.8	132 ± 5.8
1.0	176 ± 6.2	117 ± 10.1	163 ± 3.0	103 ± 8.0	153 ± 5.5
3.3	298 ± 11.5	238 ± 22.3	218 ± 10.2	153 ± 15.9	194 ± 11.6
10.0	499 ± 26.0	493 ± 18.7	369 ± 9.4	250 ± 14.5	386 ± 6.8
33.0	967 ± 36.2	982 ± 22.5	1237 ± 41.5	855 ± 36.8	1620 ± 17.2
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	314 ± 38.6	224 ± 5.3			
Positive Control ³					429 ± 15.0
Positive Control ⁴			365 ± 27.0	261 ± 4.8	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	97 ± 6.3
0.3	90 ± 11.5
1.0	108 ± 1.3
3.3	166 ± 10.3
10.0	341 ± 17.1
33.0	1873 ± 162.3
Trial Summary	Positive
Positive Control ²	
Positive Control ³	352 ± 20.7
Positive Control ⁴	

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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	16 ± 1.5	19 ± 2.6	21 ± 1.5	26 ± 2.8	23 ± 4.5
0.3	24 ± 5.0	23 ± 1.7	24 ± 2.1	23 ± 4.0	21 ± 3.5
1.0	30 ± 2.2	37 ± 4.3	23 ± 1.0	19 ± 2.7	26 ± 3.0
3.3	85 ± 5.9	79 ± 7.8	40 ± 0.5	28 ± 2.3	28 ± 2.2
10.0	227 ± 3.8	247 ± 18.1	48 ± 1.9	38 ± 3.0	64 ± 5.2
33.0	285 ± 15.8	267 ± 26.7	252 ± 21.1	147 ± 15.7	465 ± 6.4
Trial Summary	Positive	Positive	Positive	Equivocal	Positive
Positive Control ⁵					112 ± 12.7
Positive Control ³			116 ± 2.0	64 ± 6.7	
Positive Control ⁶	150 ± 1.5	119 ± 1.9			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	27 ± 2.3
0.3	27 ± 2.4
1.0	22 ± 0.9
3.3	29 ± 0.7
10.0	56 ± 8.1
33.0	325 ± 19.3
Trial Summary	Positive
Positive Control ⁵	67 ± 2.5
Positive Control ³	
Positive Control ⁶	

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Test Type: **Genetic Toxicology - Bacterial
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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

**** END OF REPORT ****