

Experiment Number: 699995

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1-Chloro-1-nitropropane

CAS Number: 600-25-9

Date Report Requested: 09/11/2018

Time Report Requested: 18:43:41

NTP Study Number:

699995

Study Result:

Positive

Experiment Number: 699995

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Mutagenicity

G06: Ames Summary Data

Test Compound: 1-Chloro-1-nitropropane
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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	90 ± 6.1	96 ± 4.4	96 ± 2.9	112 ± 5.4	98 ± 6.4
33.0	113 ± 4.6	157 ± 2.3	105 ± 5.2		101 ± 4.6
100.0	247 ± 19.5	265 ± 12.4	123 ± 4.4	156 ± 11.3	152 ± 3.3
333.0	538 ± 14.9	764 ± 40.4	317 ± 21.4	380 ± 40.6	358 ± 30.2
667.0				1022 ± 69.3	
1000.0	756 ± 51.0 ^s	998 ± 21.4	1322 ± 119.8	1215 ± 59.2	1183 ± 53.0
1500.0		693 ± 135.9 ^s		1710 ± 116.2 ^s	
2000.0	Toxic		995 ± 128.6 ^s		1272 ± 65.0 ^s
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	243 ± 3.6	394 ± 2.0			
Positive Control ³					467 ± 9.0
Positive Control ⁴			346 ± 6.2	526 ± 6.4	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	117 ± 1.7
33.0	
100.0	194 ± 2.7
333.0	447 ± 14.8
667.0	805 ± 26.9
1000.0	1122 ± 12.3
1500.0	1419 ± 48.7 ^s
2000.0	
Trial Summary	Positive
Positive Control ²	
Positive Control ³	1897 ± 39.3
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	18 ± 1.2	18 ± 2.6	21 ± 4.7	28 ± 2.3	29 ± 1.9
33.0	23 ± 2.6	25 ± 2.6	20 ± 2.8		27 ± 1.7
100.0	22 ± 5.2	29 ± 1.9	23 ± 2.7	33 ± 5.0	24 ± 5.0
333.0	46 ± 5.5	43 ± 1.8	42 ± 3.8	43 ± 5.5	35 ± 2.6
667.0				65 ± 2.8	
1000.0	59 ± 3.3 ^s	54 ± 9.2	67 ± 5.9	67 ± 2.9	69 ± 2.3
1500.0		26 ± 4.2 ^s		101 ± 16.8 ^s	
2000.0	4 ± 2.3 ^s		39 ± 3.3 ^s		78 ± 10.5 ^s
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ⁵					60 ± 9.6
Positive Control ³			79 ± 5.9	155 ± 12.5	
Positive Control ⁶	251 ± 18.8	151 ± 6.9			

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Mutagenicity

G06: Ames Summary Data
Test Compound: 1-Chloro-1-nitropropane
CAS Number: 600-25-9

Date Report Requested: 09/11/2018
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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	34 ± 1.8
33.0	
100.0	41 ± 2.0
333.0	47 ± 2.3
667.0	65 ± 6.0
1000.0	95 ± 3.3
1500.0	113 ± 3.5 ^s
2000.0	
Trial Summary	Positive
Positive Control ⁵	1060 ± 29.7
Positive Control ³	
Positive Control ⁶	

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Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data

Test Compound: **1-Chloro-1-nitropropane**

CAS Number: **600-25-9**

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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

s: Slight Toxicity

**** END OF REPORT ****