

Experiment Number: 412256

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N-Nitrosopiperidine

CAS Number: 100-75-4

Date Report Requested: 09/14/2018

Time Report Requested: 23:06:46

NTP Study Number:

412256

Study Result:

Positive

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Test Compound: N-Nitrosopiperidine

CAS Number: 100-75-4

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	112 ± 6.4	103 ± 12.2	120 ± 5.0	94 ± 4.8	110 ± 9.9
3.3					151 ± 14.4
33.3					230 ± 28.0
100.0	115 ± 11.3	128 ± 2.1	143 ± 6.0	425 ± 26.6	328 ± 52.9
333.3	114 ± 13.7	126 ± 14.4	144 ± 11.1	760 ± 89.8	476 ± 65.4
1000.0	120 ± 5.5	176 ± 14.2	174 ± 5.8	785 ± 257.4	590 ± 65.1
3333.3	130 ± 6.8	304 ± 46.4	261 ± 15.3	1309 ± 162.0	
10000.0	122 ± 3.6	627 ± 86.3	270 ± 13.3	1272 ± 145.6	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		755 ± 33.5	195 ± 11.0	962 ± 69.2	203 ± 9.0
Positive Control ³	569 ± 10.5				

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	15 ± 2.4	18 ± 1.3	12 ± 1.5	15 ± 1.7	10 ± 0.7
3.3					24 ± 1.3
33.3					84 ± 20.1
100.0	21 ± 3.0	16 ± 1.2	23 ± 2.2	466 ± 47.9	219 ± 47.0
333.3	25 ± 3.2	21 ± 4.0	25 ± 4.3	779 ± 97.8	383 ± 72.4
1000.0	26 ± 6.1	73 ± 3.4	61 ± 3.5	1023 ± 98.7	583 ± 80.4
3333.3	26 ± 2.9	197 ± 13.5	174 ± 12.1	1248 ± 122.8	
10000.0	23 ± 3.5	349 ± 54.7	314 ± 23.5	1298 ± 136.9	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ³	515 ± 4.9				
Positive Control ⁴		197 ± 2.8	94 ± 11.4	303 ± 4.4	127 ± 1.0

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 3.5	16 ± 1.7	23 ± 1.9
100.0	18 ± 1.7	19 ± 3.3	23 ± 8.5
333.3	18 ± 2.8	18 ± 4.8	41 ± 5.2
1000.0	19 ± 3.0	17 ± 1.7	38 ± 4.4
3333.3	14 ± 0.9	15 ± 1.7	36 ± 3.2
10000.0	8 ± 0.7	16 ± 0.9	28 ± 2.0
Trial Summary	Negative	Negative	Equivocal
Positive Control ⁴		233 ± 28.7	400 ± 16.3
Positive Control ⁵	377 ± 38.3		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	36 ± 1.3	41 ± 4.2	42 ± 4.9	49 ± 2.1
100.0	29 ± 4.9	37 ± 1.3	47 ± 7.5	44 ± 3.2
333.3	24 ± 3.7	38 ± 2.7	56 ± 4.1	54 ± 3.4
1000.0	22 ± 2.4	32 ± 4.0	71 ± 10.4	58 ± 2.3
3333.3	24 ± 3.5	33 ± 3.5	82 ± 9.6	62 ± 5.6
10000.0	33 ± 1.5	43 ± 1.0	71 ± 11.6	44 ± 4.7
Trial Summary	Negative	Negative	Weakly Positive	Negative
Positive Control ²		552 ± 47.4	1058 ± 69.7	158 ± 7.3
Positive Control ⁶	844 ± 12.3			

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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

**** END OF REPORT ****