

Experiment Number: 826939

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N-Nitrosopiperidine

CAS Number: 100-75-4

Date Report Requested: 09/15/2018

Time Report Requested: 18:53:23

NTP Study Number:

826939

Study Result:

Positive

Experiment Number: 826939

G06: Ames Summary Data

Date Report Requested: 09/15/2018

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**Test Compound: **N-Nitrosopiperidine**

Time Report Requested: 18:53:23

CAS Number: 100-75-4

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	116 ± 21.4	98 ± 13.5	73 ± 2.7	125 ± 9.4	88 ± 8.1
3.3					86 ± 1.9
10.0					109 ± 10.8
33.3					157 ± 14.3
100.0	110 ± 0.9	98 ± 3.2	91 ± 2.4	439 ± 6.4	262 ± 32.9
333.3	94 ± 9.0	102 ± 0.6	88 ± 3.7	931 ± 92.4	467 ± 13.5
1000.0	93 ± 5.2	164 ± 9.7	123 ± 9.7	1172 ± 32.1	
3333.3	107 ± 5.4	240 ± 11.4	188 ± 10.3	1567 ± 103.4	
10000.0	104 ± 3.2	240 ± 20.7	197 ± 9.0	1393 ± 36.7	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		421 ± 21.4	553 ± 16.5	1561 ± 53.0	1571 ± 35.4
Positive Control ³	431 ± 19.9				

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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	13 ± 4.0	4 ± 1.0	5 ± 0.3	6 ± 0.6	6 ± 1.2
3.3					15 ± 3.5
10.0					29 ± 1.8
33.3					54 ± 9.2
100.0	8 ± 0.6	10 ± 3.8	7 ± 0.9	296 ± 36.8	129 ± 11.8
333.3	9 ± 1.9	14 ± 2.0	16 ± 1.5	551 ± 14.6	308 ± 29.2
1000.0	15 ± 0.6	48 ± 2.7	36 ± 4.6	848 ± 51.3	
3333.3	15 ± 1.9	114 ± 11.0	97 ± 16.0	993 ± 95.5	
10000.0	10 ± 2.2	158 ± 24.5	62 ± 4.1	1033 ± 69.3	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ³	369 ± 36.5				
Positive Control ⁴		241 ± 27.1	130 ± 9.2	241 ± 18.0	403 ± 35.6

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.0	5 ± 1.5	6 ± 0.3
100.0	8 ± 2.3	9 ± 1.2	5 ± 0.9
333.3	6 ± 0.9	9 ± 1.5	6 ± 1.2
1000.0	5 ± 1.5	6 ± 1.2	7 ± 1.7
3333.3	7 ± 0.6	9 ± 1.7	5 ± 1.2
10000.0	5 ± 0.3	5 ± 0.0	2 ± 1.5 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		135 ± 10.0	174 ± 11.5
Positive Control ⁵	174 ± 5.9		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	24 ± 4.6	23 ± 3.4	31 ± 3.2
100.0	18 ± 3.2	21 ± 3.5	32 ± 2.3
333.3	18 ± 1.8	20 ± 2.3	29 ± 1.7
1000.0	22 ± 3.7	25 ± 3.2	43 ± 4.8
3333.3	18 ± 3.6	23 ± 1.0	50 ± 4.3
10000.0	26 ± 1.5	24 ± 3.0	52 ± 8.2
Trial Summary	Negative	Negative	Negative
Positive Control ²		203 ± 2.5	1309 ± 46.7
Positive Control ⁶	779 ± 71.8		

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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
- s: Slight Toxicity

** END OF REPORT **