

Experiment Number: 924216

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N-Nitrosopiperidine

CAS Number: 100-75-4

Date Report Requested: 09/17/2018

Time Report Requested: 07:06:41

NTP Study Number:

924216

Study Result:

Positive

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Test Compound: N-Nitrosopiperidine

CAS Number: 100-75-4

Date Report Requested: 09/17/2018

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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	99 ± 5.5	167 ± 5.1	225 ± 13.7	165 ± 12.7	235 ± 9.2
100.0	101 ± 7.7	219 ± 19.9	479 ± 3.5	264 ± 5.5	390 ± 7.2
333.0	103 ± 8.8	275 ± 11.9	391 ± 34.7	463 ± 24.8	540 ± 59.8
1000.0	106 ± 1.7	451 ± 61.8	645 ± 44.8	615 ± 32.3	777 ± 51.3
3333.0	110 ± 4.4	821 ± 33.6	855 ± 140.9	746 ± 27.4	516 ± 38.9
10000.0	79 ± 3.2	664 ± 23.8	497 ± 26.7	709 ± 72.9	488 ± 22.2
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		2131 ± 75.0	1181 ± 133.1	2462 ± 46.6	2030 ± 222.9
Positive Control ³	548 ± 8.6				

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Mutagenicity**Test Compound: **N-Nitrosopiperidine**

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CAS Number: 100-75-4

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	6 ± 0.9	13 ± 2.9	13 ± 0.6	10 ± 0.6	13 ± 2.7
100.0	5 ± 0.3	45 ± 3.5	121 ± 3.9	104 ± 3.3	117 ± 25.9
333.0	5 ± 0.7	82 ± 7.3	275 ± 12.0	202 ± 25.6	257 ± 11.0
1000.0	4 ± 0.3	144 ± 26.0	303 ± 4.4	273 ± 5.2	303 ± 26.4
3333.0	6 ± 1.2	342 ± 32.7	134 ± 14.5	382 ± 20.3	162 ± 13.4
10000.0	Toxic	262 ± 43.8	78 ± 3.5	354 ± 72.4	70 ± 7.3
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		85 ± 8.9	331 ± 61.3	78 ± 1.3	56 ± 5.2
Positive Control ³	282 ± 14.7				

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Test Compound: N-Nitrosopiperidine

CAS Number: 100-75-4

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.6	9 ± 1.8	12 ± 1.7	11 ± 2.6	20 ± 2.9
100.0	3 ± 0.3	40 ± 2.3	131 ± 5.5	87 ± 6.0	218 ± 23.4
333.0	5 ± 0.3	61 ± 5.7	278 ± 10.9	228 ± 19.0	376 ± 38.3
1000.0	4 ± 0.6	117 ± 25.3	295 ± 11.9	291 ± 21.9	335 ± 16.2
3333.0	3 ± 1.3	261 ± 19.0	116 ± 5.2	441 ± 28.8	106 ± 6.3
10000.0	2 ± 0.6	176 ± 13.1	64 ± 8.2	294 ± 19.8	64 ± 2.7
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		51 ± 4.3	297 ± 60.5	48 ± 7.5	125 ± 6.1
Positive Control ⁴	32 ± 8.7				

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Test Compound: N-Nitrosopiperidine
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Date Report Requested: 09/17/2018
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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 2.1	36 ± 1.2	30 ± 2.7
100.0	18 ± 3.2	23 ± 4.1	25 ± 4.1
333.0	24 ± 3.0	28 ± 0.7	27 ± 3.2
1000.0	22 ± 1.9	22 ± 4.6	34 ± 4.1
3333.0	27 ± 4.7	39 ± 1.0	38 ± 4.9
10000.0	15 ± 2.6	34 ± 0.9	24 ± 2.3
Trial Summary	Negative	Negative	Negative
Positive Control ²		1136 ± 11.9	1633 ± 140.5
Positive Control ⁵	328 ± 12.9		

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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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****