

Experiment Number: 424037

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: **o-Methylhydroxylamine hydrochloride**

CAS Number: 593-56-6

Date Report Requested: 09/15/2018

Time Report Requested: 05:55:52

NTP Study Number:

424037

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	84 ± 7.1	107 ± 2.3	97 ± 9.3	150 ± 6.0	96 ± 13.4
3.3	91 ± 4.3	112 ± 7.0	95 ± 6.4	150 ± 5.5	98 ± 2.2
10.0	97 ± 4.0	110 ± 6.9	94 ± 9.7	134 ± 1.9	111 ± 1.2
33.0	89 ± 3.7	125 ± 8.7	102 ± 14.6	147 ± 10.7	105 ± 18.2
100.0	104 ± 4.7	97 ± 9.5	91 ± 8.7	141 ± 14.6	88 ± 3.7
333.0	84 ± 5.2	84 ± 5.5	67 ± 12.6	153 ± 9.0	48 ± 4.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			2426 ± 20.2	1554 ± 24.2	1762 ± 43.9
Positive Control ³	1023 ± 235.0	916 ± 17.1			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	157 ± 2.8
3.3	147 ± 8.0
10.0	147 ± 7.5
33.0	154 ± 12.2
100.0	146 ± 8.2
333.0	149 ± 7.5
Trial Summary	Negative
Positive Control ²	1596 ± 75.9
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.6	24 ± 3.0	7 ± 1.2	38 ± 4.3	9 ± 1.5
1.0				35 ± 5.2	
3.3	3 ± 0.9	23 ± 1.0	6 ± 2.3	39 ± 0.9	6 ± 2.2
10.0	7 ± 0.7	33 ± 3.5	3 ± 0.9	35 ± 0.7	6 ± 0.0
33.0	7 ± 1.3	24 ± 4.2	3 ± 0.3	27 ± 3.0	5 ± 1.3
100.0	4 ± 0.6	19 ± 4.1	0 ± 0.3	42 ± 1.8	1 ± 1.0
333.0	5 ± 0.6	24 ± 6.0	0 ± 0.3		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			80 ± 5.5	272 ± 10.7	46 ± 2.8
Positive Control ³	694 ± 26.5	1141 ± 120.9			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	38 ± 2.7
1.0	30 ± 0.3
3.3	40 ± 4.5
10.0	44 ± 2.6
33.0	39 ± 1.2
100.0	35 ± 0.9
333.0	
Trial Summary	Negative
Positive Control ⁴	206 ± 8.0
Positive Control ³	

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	9 ± 2.6	14 ± 2.3	8 ± 1.2	24 ± 3.2	7 ± 0.6
3.3	7 ± 2.0	16 ± 1.5	12 ± 4.4	21 ± 1.5	11 ± 2.0
10.0	6 ± 1.2	8 ± 1.3	7 ± 1.5	29 ± 2.4	9 ± 2.0
33.0	5 ± 0.6	10 ± 0.0	7 ± 2.3	31 ± 2.9	6 ± 1.2
100.0	6 ± 1.2	10 ± 2.2	5 ± 1.0	26 ± 1.8	4 ± 0.6
333.0	5 ± 0.3	10 ± 1.2	5 ± 1.2	29 ± 4.0	3 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			51 ± 13.4	436 ± 3.8	101 ± 42.5
Positive Control ⁵	232 ± 59.7	389 ± 25.4			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	25 ± 3.8
3.3	30 ± 4.0
10.0	27 ± 1.2
33.0	34 ± 1.3
100.0	32 ± 4.0
333.0	29 ± 5.5
Trial Summary	Negative
Positive Control ⁴	213 ± 8.9
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	28 ± 1.2	27 ± 1.5	22 ± 3.8	45 ± 1.5	21 ± 6.7
3.3	21 ± 1.2	22 ± 2.0	21 ± 3.3	39 ± 2.9	27 ± 2.8
10.0	23 ± 2.3	23 ± 1.5	23 ± 1.9	44 ± 2.6	28 ± 1.2
33.0	24 ± 3.2	20 ± 1.0	28 ± 7.9	35 ± 3.2	29 ± 4.7
100.0	21 ± 1.3	24 ± 2.0	20 ± 1.9	Toxic	24 ± 2.3
333.0	21 ± 4.5	16 ± 1.2	24 ± 0.6	34 ± 2.5	26 ± 1.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1575 ± 74.0	1299 ± 64.1	1303 ± 98.0
Positive Control ⁶	207 ± 16.7	263 ± 14.7			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	42 ± 2.7
3.3	41 ± 2.3
10.0	48 ± 3.6
33.0	39 ± 4.1
100.0	39 ± 3.0
333.0	35 ± 4.4
Trial Summary	Negative
Positive Control ²	1548 ± 27.7
Positive Control ⁶	

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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: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****