

Experiment Number: 581750

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N-Methyl-p-aminophenol sulfate

CAS Number: 55-55-0

Date Report Requested: 09/14/2018

Time Report Requested: 11:57:11

NTP Study Number:

581750

Study Result:

Weakly Positive

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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	115 ± 5.2	111 ± 3.5	137 ± 6.7	144 ± 9.3	179 ± 9.8
0.33		119 ± 7.8			
1.0	117 ± 7.9	114 ± 0.6			
3.3	124 ± 1.9	119 ± 1.3			
10.0	146 ± 3.8	128 ± 9.3	181 ± 6.5	120 ± 6.7	187 ± 6.8
33.0	108 ± 2.0	130 ± 18.9	147 ± 4.0	148 ± 10.3	163 ± 2.3
100.0	0 ± 0.0		168 ± 3.5	161 ± 7.7	160 ± 13.7
333.0			209 ± 24.8	198 ± 10.7	253 ± 4.5
1000.0			218 ± 6.4	208 ± 11.1	217 ± 23.6
Trial Summary	Negative	Negative	Weakly Positive	Weakly Positive	Negative
Positive Control ²			965 ± 51.5	2338 ± 40.7	1903 ± 31.3
Positive Control ³	559 ± 39.4	447 ± 20.9			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	148 ± 18.2
0.33	
1.0	
3.3	
10.0	143 ± 6.4
33.0	132 ± 2.8
100.0	125 ± 3.6
333.0	158 ± 11.6
1000.0	163 ± 8.4
Trial Summary	Negative
Positive Control ²	1908 ± 157.3
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 ± 1.5	6 ± 1.2	5 ± 0.6	6 ± 0.5	5 ± 2.0
0.33		4 ± 0.6			
1.0	6 ± 0.6	5 ± 1.3			
3.3	5 ± 0.3	3 ± 1.0			
10.0	4 ± 0.3	3 ± 0.3	6 ± 0.7	5 ± 0.9	4 ± 0.6
33.0	5 ± 0.6	5 ± 0.6	9 ± 0.3	8 ± 2.5	2 ± 0.0
100.0	Toxic		5 ± 1.8	6 ± 1.5	4 ± 0.3
333.0			4 ± 1.2	6 ± 1.2	3 ± 0.3
1000.0			7 ± 0.9	6 ± 2.3	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			55 ± 2.3	39 ± 8.5	102 ± 4.5
Positive Control ³	348 ± 9.7	154 ± 16.5			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.2
0.33	
1.0	
3.3	
10.0	6 ± 2.5
33.0	6 ± 2.2
100.0	7 ± 1.3
333.0	5 ± 1.2
1000.0	Toxic
Trial Summary	Negative
Positive Control ²	38 ± 3.5
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% Rat S9
Vehicle Control ¹	4 ± 0.6	5 ± 0.7	6 ± 1.7	5 ± 1.2	5 ± 0.3
0.33		6 ± 2.2			
1.0	2 ± 0.3	7 ± 2.6			
3.3	3 ± 0.6	6 ± 1.5			
10.0	3 ± 0.3	6 ± 1.7	8 ± 0.3	5 ± 1.5	
33.0	Toxic	7 ± 0.5	6 ± 0.6	4 ± 1.0	
100.0	0 ± 0.0		10 ± 1.5	7 ± 2.2	
167.0					15 ± 1.0
333.0			6 ± 1.5	9 ± 2.6	11 ± 1.0
667.0					18 ± 0.3
1000.0			22 ± 0.9	23 ± 1.3	19 ± 3.1
1667.0					0 ± 0.0
Trial Summary	Negative	Negative	Equivocal	Equivocal	Weakly Positive
Positive Control ²			39 ± 1.5	59 ± 4.2	267 ± 56.3
Positive Control ⁴	308 ± 26.2	644 ± 56.9			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.9	3 ± 0.9	5 ± 1.2
0.33			
1.0			
3.3			
10.0	6 ± 0.3	3 ± 1.0	
33.0	13 ± 0.7	6 ± 1.7	
100.0	11 ± 0.9	5 ± 1.5	
167.0			14 ± 3.0
333.0	21 ± 1.9	15 ± 2.6	22 ± 3.3
667.0			26 ± 5.5
1000.0	20 ± 1.9	20 ± 3.5	Toxic
1667.0			0 ± 0.0
Trial Summary	Weakly Positive	Weakly Positive	Positive
Positive Control ²	340 ± 26.2	109 ± 13.5	1203 ± 272.8
Positive Control ⁴			

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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	15 ± 1.5	13 ± 2.3	13 ± 1.2	12 ± 1.0	17 ± 1.3
0.33		10 ± 1.5			
1.0	14 ± 1.2	8 ± 2.1			
3.3	12 ± 1.5	17 ± 11.3			
10.0	20 ± 2.4	11 ± 3.3	23 ± 1.8	13 ± 2.1	29 ± 1.9
33.0	Toxic	Toxic	26 ± 0.3	13 ± 3.0	20 ± 0.9
100.0	Toxic		28 ± 0.7	16 ± 2.2	22 ± 1.9
333.0			24 ± 2.9	14 ± 1.3	25 ± 1.3
1000.0			24 ± 0.3	15 ± 2.0	21 ± 2.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			472 ± 37.5	1670 ± 94.1	1451 ± 62.4
Positive Control ⁵	248 ± 9.9	168 ± 21.1			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	14 ± 1.7
0.33	
1.0	
3.3	
10.0	19 ± 3.0
33.0	16 ± 2.4
100.0	14 ± 3.0
333.0	16 ± 2.6
1000.0	12 ± 5.5
Trial Summary	Negative
Positive Control ²	938 ± 65.1
Positive Control ⁵	

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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: 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 ****