

Experiment Number: 114987

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Methyl-6-nitroaniline

CAS Number: 570-24-1

Date Report Requested: 09/11/2018

Time Report Requested: 20:24:49

NTP Study Number:

114987

Study Result:

Positive

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Test Compound: 2-Methyl-6-nitroaniline

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	85 ± 1.5	85 ± 4.3	82 ± 0.9	88 ± 5.0
10.0	68 ± 2.6	80 ± 2.6	80 ± 4.5	84 ± 3.1
33.0	72 ± 3.5	87 ± 6.4	85 ± 9.0	98 ± 4.2
100.0	74 ± 2.3	100 ± 9.9	79 ± 3.3	122 ± 10.5
333.0	94 ± 19.0	100 ± 11.2	150 ± 10.5	198 ± 6.5
1000.0	53 ± 12.5 ^s	62 ± 3.2 ^s	73 ± 13.2 ^s	168 ± 13.8 ^s
Trial Summary	Negative	Negative	Equivocal	Weakly Positive
Positive Control ²			333 ± 28.0	
Positive Control ³	435 ± 16.3			
Positive Control ⁴				418 ± 33.5
Positive Control ⁵		194 ± 7.7		

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	15 ± 0.9	17 ± 2.3	18 ± 3.2	20 ± 2.9	23 ± 2.9
10.0	8 ± 1.9	16 ± 2.6	21 ± 4.1	18 ± 1.0	19 ± 1.5
33.0	17 ± 0.6	18 ± 0.7	26 ± 1.7	20 ± 3.8	42 ± 3.9
100.0	19 ± 1.7	20 ± 1.8	31 ± 0.9	26 ± 1.2	122 ± 8.2
333.0	34 ± 2.0	35 ± 1.0	56 ± 3.5	47 ± 6.4	583 ± 49.8
1000.0	74 ± 12.4 ^s	26 ± 1.5 ^s	64 ± 5.5 ^s	47 ± 2.2	622 ± 40.0 ^s
Trial Summary	Positive	Equivocal	Positive	Weakly Positive	Positive
Positive Control ²					
Positive Control ³					147 ± 40.9
Positive Control ⁶	130 ± 7.0	254 ± 14.0			
Positive Control ⁴			57 ± 5.2	115 ± 6.9	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 1.2
10.0	15 ± 3.1
33.0	24 ± 1.7
100.0	101 ± 4.4
333.0	711 ± 13.9
1000.0	864 ± 36.4 ^s
Trial Summary	Positive
Positive Control ²	76 ± 0.9
Positive Control ³	
Positive Control ⁶	
Positive Control ⁴	

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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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 1.0 ug/Plate 2-Aminoanthracene

5: 2.0 ug/Plate 2-Aminoanthracene

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****