

Experiment Number: 490447

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Methyl-3-nitroaniline

CAS Number: 603-83-8

Date Report Requested: 09/11/2018

Time Report Requested: 23:02:55

NTP Study Number: 490447

Study Result: Positive

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Test Compound: 2-Methyl-3-nitroaniline

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	82 ± 6.7	91 ± 6.8	87 ± 9.2	101 ± 2.5	91 ± 1.7
33.0	81 ± 2.0	93 ± 5.1	74 ± 3.5	105 ± 3.7	90 ± 2.9
100.0	75 ± 3.3	87 ± 5.2	87 ± 3.2	103 ± 5.8	121 ± 3.3
333.0	81 ± 2.1	111 ± 3.1	101 ± 2.6	207 ± 14.6	200 ± 9.3
1000.0	85 ± 2.6	183 ± 5.4	177 ± 2.2	277 ± 5.6	279 ± 1.5
3333.0	74 ± 7.4 ^s	199 ± 15.2 ^s	128 ± 3.2 ^s	330 ± 4.3 ^s	271 ± 28.4 ^s
Trial Summary	Negative	Positive	Weakly Positive	Positive	Positive
Positive Control ²	323 ± 17.2				
Positive Control ³				386 ± 10.4	302 ± 7.2
Positive Control ⁴		287 ± 21.9	228 ± 7.5		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	16 ± 1.5	15 ± 2.3	24 ± 1.3	14 ± 2.0	24 ± 5.7
33.0	12 ± 2.3	17 ± 1.0	26 ± 2.3	20 ± 1.7	56 ± 2.4
100.0	16 ± 1.3	27 ± 3.0	30 ± 1.0	28 ± 4.6	67 ± 10.5
333.0	12 ± 1.8	49 ± 0.9	52 ± 3.6	37 ± 2.8	64 ± 6.2
1000.0	14 ± 1.5	66 ± 5.4	68 ± 5.2	62 ± 2.9	78 ± 8.1
3333.0	9 ± 0.6 ^s	78 ± 7.5 ^s	80 ± 4.9	98 ± 2.3 ^s	133 ± 8.1
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ⁵				87 ± 2.2	
Positive Control ³		94 ± 6.3	63 ± 2.2		159 ± 1.2
Positive Control ⁶	148 ± 3.2				

Experiment Number: 490447

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data

Test Compound: **2-Methyl-3-nitroaniline**

CAS Number: **603-83-8**

Date Report Requested: **09/11/2018**

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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: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 0.4 ug/Plate 2-Aminoanthracene

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

s: Slight Toxicity

**** END OF REPORT ****