

Experiment Number: 997244

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3-Methyl-4-nitrobenzoic acid

CAS Number: 3113-71-1

Date Report Requested: 09/15/2018

Time Report Requested: 10:12:09

NTP Study Number:

997244

Study Result:

Positive

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Test Compound: 3-Methyl-4-nitrobenzoic acid
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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	96 ± 5.8	82 ± 0.7	96 ± 3.6	81 ± 0.9	104 ± 8.4
33.0	97 ± 4.6	92 ± 2.3	160 ± 7.9	123 ± 8.5	166 ± 10.1
100.0	145 ± 12.0	108 ± 5.7	188 ± 8.3	181 ± 4.3	232 ± 9.5
333.0	223 ± 10.2	205 ± 15.8	319 ± 8.7	297 ± 5.8	342 ± 10.5
1000.0	355 ± 32.3	357 ± 14.2	395 ± 15.8	464 ± 5.4	477 ± 6.9
3333.0	399 ± 17.2	402 ± 2.7	348 ± 28.4	380 ± 8.5	373 ± 10.4
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	384 ± 28.7	351 ± 21.9			
Positive Control ³					405 ± 4.2
Positive Control ⁴			225 ± 8.6	369 ± 17.0	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	86 ± 2.1
33.0	103 ± 2.1
100.0	145 ± 17.4
333.0	254 ± 16.7
1000.0	428 ± 18.2
3333.0	374 ± 8.5
Trial Summary	Positive
Positive Control ²	
Positive Control ³	453 ± 30.3
Positive Control ⁴	

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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	10 ± 2.8	10 ± 2.0	26 ± 2.9	17 ± 3.3	17 ± 1.5
33.0	26 ± 3.1	31 ± 1.2	38 ± 2.3	21 ± 1.7	18 ± 1.2
100.0	70 ± 6.2	72 ± 8.3	49 ± 6.2	24 ± 5.2	28 ± 0.9
333.0	170 ± 7.8	220 ± 4.6	65 ± 6.4	38 ± 3.8	59 ± 2.6
1000.0	253 ± 20.2	330 ± 1.2	85 ± 10.2	67 ± 5.0	85 ± 7.4
3333.0	148 ± 11.7	488 ± 5.5	105 ± 1.3	120 ± 7.3	136 ± 8.2
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ⁵					127 ± 6.9
Positive Control ³			145 ± 21.9	102 ± 6.0	
Positive Control ⁶	162 ± 11.1	154 ± 13.6			

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Test Compound: 3-Methyl-4-nitrobenzoic acid
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Date Report Requested: 09/15/2018

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	19 ± 0.7
33.0	21 ± 1.5
100.0	29 ± 3.9
333.0	50 ± 3.5
1000.0	100 ± 3.9
3333.0	177 ± 18.5
Trial Summary	Positive
Positive Control ⁵	159 ± 16.6
Positive Control ³	
Positive Control ⁶	

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

G06: Ames Summary Data

Test Compound: **3-Methyl-4-nitrobenzoic acid**

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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

**** END OF REPORT ****