

Experiment Number: **G77496**

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

G06: Ames Summary Data

Test Compound: **2-Nitro-2-methyl-1,3-propanediol**

CAS Number: **77-49-6**

Date Report Requested: **09/16/2018**

Time Report Requested: **11:15:37**

NTP Study Number:

G77496

Study Result:

Negative

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Test Compound: 2-Nitro-2-methyl-1,3-propanediol

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	81 ± 5.3	123 ± 11.2	74 ± 5.2	142 ± 2.8
100.0	79 ± 7.6	118 ± 6.9	83 ± 7.3	120 ± 5.2
250.0	84 ± 5.2	121 ± 15.9	71 ± 9.9	116 ± 6.6
500.0	70 ± 8.1	117 ± 7.2	65 ± 5.0	126 ± 13.0
1500.0	75 ± 8.2	132 ± 2.1	81 ± 4.3	157 ± 3.3
3000.0	81 ± 2.9	95 ± 12.7	74 ± 2.6	154 ± 14.7
6000.0	89 ± 7.7	113 ± 5.0	80 ± 5.8	125 ± 4.4
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	356 ± 5.0	527 ± 16.8		
Positive Control ³			355 ± 6.2	748 ± 19.7

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	19 ± 6.0	13 ± 5.6	21 ± 2.6	17 ± 1.7
100.0	17 ± 2.1	12 ± 1.8	21 ± 3.9	22 ± 3.5
250.0	20 ± 2.3	13 ± 2.6	26 ± 2.0	18 ± 1.5
500.0	17 ± 2.8	16 ± 2.6	23 ± 0.9	21 ± 6.1
1500.0	21 ± 1.5	13 ± 1.0	26 ± 2.6	18 ± 3.7
3000.0	16 ± 3.8	16 ± 3.9	24 ± 2.3	26 ± 1.2
6000.0	17 ± 1.9	13 ± 1.0	20 ± 4.7	17 ± 4.1
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			1759 ± 57.4	1137 ± 51.5
Positive Control ⁵	474 ± 29.7	688 ± 12.2		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	160 ± 15.5	148 ± 0.0	147 ± 13.5	132 ± 7.8
100.0	153 ± 4.6	177 ± 25.4	131 ± 9.2	148 ± 1.5
250.0	147 ± 11.6	140 ± 11.0	149 ± 7.0	154 ± 3.3
500.0	146 ± 8.7	155 ± 8.8	150 ± 7.8	166 ± 10.4
1500.0	145 ± 2.0	150 ± 2.9	140 ± 5.7	157 ± 12.4
3000.0	182 ± 3.8	162 ± 6.9	141 ± 9.0	156 ± 9.3
6000.0	174 ± 7.9	166 ± 22.6	141 ± 4.4	164 ± 10.1
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶	1399 ± 118.0	1523 ± 84.0		
Positive Control ⁷			819 ± 14.9	1100 ± 84.2

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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: Distilled Water

2: 1.0 ug/Plate Sodium Azide

3: 2.0 ug/Plate Other Positive Control

4: 2.0 ug/Plate 2-Aminoanthracene

5: 3.0 ug/Plate 2-Nitrofluorene

6: 0.25 ug/Plate Other Positive Control

7: 20.0 ug/Plate 2-Aminoanthracene

**** END OF REPORT ****