

Experiment Number: **G14012**

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

G06: Ames Summary Data

Test Compound: **Dipropylene glycol phenyl ether**

CAS Number: **51730-94-0**

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

Time Report Requested: **04:04:46**

NTP Study Number:

G14012

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	89 ± 7.5	89 ± 4.9	96 ± 4.9	94 ± 19.8
300.0	80 ± 4.4	74 ± 2.8	89 ± 1.2	75 ± 9.2
500.0	103 ± 2.2	69 ± 6.1	90 ± 2.6	92 ± 5.0
750.0	87 ± 0.9	81 ± 4.3	90 ± 4.1	77 ± 2.7
1000.0	76 ± 9.9	88 ± 10.3	93 ± 5.4	77 ± 3.1
2000.0	73 ± 6.7	79 ± 6.3	94 ± 9.3	68 ± 12.4
3000.0	75 ± 2.6	70 ± 9.1	99 ± 2.7	82 ± 3.3
5000.0	Toxic	Toxic	70 ± 5.2	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	633 ± 31.7	630 ± 89.2		
Positive Control ³			752 ± 30.2	703 ± 38.7

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	17 ± 3.3	19 ± 0.0	17 ± 1.3	30 ± 2.0
300.0	15 ± 2.1	21 ± 2.3	21 ± 6.2	24 ± 3.6
500.0	18 ± 4.0	18 ± 2.6	19 ± 3.3	25 ± 2.2
750.0	17 ± 1.3	21 ± 2.0	32 ± 4.2	29 ± 4.3
1000.0	19 ± 2.7	23 ± 4.9	27 ± 5.1	25 ± 2.8
2000.0	13 ± 1.0	18 ± 4.0	20 ± 2.2	20 ± 5.0
3000.0	14 ± 2.3	16 ± 0.9	17 ± 2.2	14 ± 0.3
5000.0	11 ± 2.1	Toxic	13 ± 2.2	14 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			1240 ± 24.4	1017 ± 112.2
Positive Control ⁵	452 ± 17.7	502 ± 22.7		

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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	115 ± 4.6	132 ± 7.3	154 ± 7.9	147 ± 3.6
300.0	104 ± 9.4	131 ± 8.7	133 ± 11.1	133 ± 11.3
500.0	105 ± 3.2	122 ± 12.0	143 ± 1.2	153 ± 7.4
750.0	114 ± 8.3	126 ± 5.8	154 ± 7.7	126 ± 8.6
1000.0	115 ± 6.5	133 ± 8.1	147 ± 9.6	156 ± 5.8
2000.0	109 ± 6.3	119 ± 3.8	109 ± 6.9	104 ± 15.8
3000.0	90 ± 2.5	112 ± 5.2	105 ± 14.8	103 ± 6.7
5000.0	73 ± 4.6	Toxic	81 ± 8.5	65 ± 13.4 ^s
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶	1626 ± 92.3	1750 ± 37.9		
Positive Control ⁷			1076 ± 76.4	1139 ± 18.8

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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 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

s: Slight Toxicity

**** END OF REPORT ****