

Experiment Number: **A67779**

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

G06: Ames Summary Data

Test Compound: **1,3-Dihydroxyacetone dimer**

CAS Number: **62147-49-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **14:07:58**

NTP Study Number:

A67779

Study Result:

Positive

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Strain: TA100				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	54 ± 2.4	61 ± 5.5	57 ± 1.7	72 ± 0.3
100.0	52 ± 3.2	65 ± 7.5	65 ± 5.5	64 ± 7.2
500.0	62 ± 6.4	71 ± 3.8	58 ± 5.0	61 ± 9.3
1000.0	66 ± 4.3	68 ± 5.2	65 ± 1.9	60 ± 2.1
5000.0	96 ± 0.7	105 ± 11.0	83 ± 8.1	77 ± 7.6
10000.0	138 ± 2.3	196 ± 13.6	100 ± 1.9	101 ± 11.1
Trial Summary	Positive	Positive	Positive	Equivocal
Positive Control ²	691 ± 51.9	616 ± 32.9		
Positive Control ³			674 ± 22.7	885 ± 34.2

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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 ± 2.4	9 ± 1.5	22 ± 1.9	18 ± 0.9
100.0	19 ± 2.0	10 ± 1.9	26 ± 1.7	20 ± 2.3
500.0	16 ± 0.9	12 ± 0.9	21 ± 3.8	13 ± 0.3
1000.0	17 ± 1.0	14 ± 3.0	27 ± 0.9	23 ± 2.6
5000.0	22 ± 3.6	17 ± 0.6	35 ± 1.5	21 ± 4.7
10000.0	25 ± 3.1	22 ± 2.5	33 ± 2.4	32 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			937 ± 50.2	910 ± 126.6
Positive Control ⁴	626 ± 8.0	449 ± 52.8		

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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	217 ± 6.9	120 ± 4.3	247 ± 10.1	142 ± 13.5
100.0	255 ± 12.1	127 ± 4.7	293 ± 6.1	167 ± 13.4
500.0	233 ± 15.1	142 ± 9.1	328 ± 21.9	234 ± 7.4
1000.0	268 ± 5.1	131 ± 17.3	334 ± 4.1	224 ± 15.1
5000.0	349 ± 7.8	231 ± 6.0	549 ± 19.7	388 ± 13.1
10000.0	446 ± 38.5	308 ± 17.1	569 ± 23.2	455 ± 13.5
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ⁵			786 ± 29.3	726 ± 13.6
Positive Control ⁶	736 ± 15.4	833 ± 54.0		

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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: Water
- 2: 1.0 ug/Plate Sodium Azide
- 3: 2.5 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate 2-Nitrofluorene
- 5: 20.0 ug/Plate 2-Aminoanthracene
- 6: 4000.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****