

Experiment Number: 919180

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: o-Nitrophenethyl alcohol

CAS Number: 15121-84-3

Date Report Requested: 09/17/2018

Time Report Requested: 03:01:58

NTP Study Number:

919180

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	105 ± 13.0	118 ± 7.7	102 ± 8.2	112 ± 11.0	134 ± 0.3
3.0					
33.0		107 ± 9.0			
100.0	108 ± 3.2	91 ± 9.0			127 ± 1.5
333.0	108 ± 7.4	100 ± 8.4	124 ± 5.8	130 ± 10.4	125 ± 6.0
1000.0	118 ± 8.1	130 ± 2.9	134 ± 2.8	167 ± 6.2	162 ± 6.4
1666.0		96 ± 11.0			
3333.0	0 ± 0.0 ^s		143 ± 4.3	165 ± 4.7	171 ± 2.9
6666.0	Toxic		146 ± 3.8	172 ± 12.3	
10000.0			27 ± 14.1 ^s	70 ± 35.1 ^s	195 ± 3.8
Trial Summary	Negative	Negative	Equivocal	Weakly Positive	Weakly Positive
Positive Control ²	430 ± 15.3	448 ± 13.7			
Positive Control ³			659 ± 29.2	493 ± 40.7	
Positive Control ⁴					1116 ± 12.3

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Strain: TA100

Dose (ug/Plate)	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	137 ± 0.5	161 ± 9.3	151 ± 8.9	128 ± 10.7	151 ± 8.1
3.0			143 ± 4.5	114 ± 10.7	181 ± 5.1
33.0		190 ± 4.1	190 ± 6.6	161 ± 13.0	225 ± 12.3
100.0			301 ± 9.3	252 ± 8.3	317 ± 11.9
333.0	173 ± 7.2		323 ± 18.1	289 ± 4.9	420 ± 6.4
1000.0	185 ± 20.0	202 ± 6.1			
1666.0					
3333.0	211 ± 13.6	244 ± 16.1	447 ± 25.3	385 ± 19.2	497 ± 1.5
6666.0	241 ± 10.4	267 ± 33.3			
10000.0	58 ± 54.7 ^s	226 ± 18.0			
Trial Summary	Weakly Positive	Weakly Positive	Positive	Positive	Positive
Positive Control ²					
Positive Control ³			1187 ± 61.5	672 ± 37.1	746 ± 27.8
Positive Control ⁴	538 ± 27.4	552 ± 38.9			

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	15 ± 0.6	31 ± 0.9	28 ± 1.8
3.0			24 ± 2.0
33.0			24 ± 4.3
100.0	18 ± 3.0	28 ± 1.5	27 ± 2.0
333.0	16 ± 0.9	22 ± 1.2	30 ± 2.3
1000.0	13 ± 0.9	30 ± 1.2	
3333.0	15 ± 1.5	27 ± 2.3	24 ± 3.0
6666.0	Toxic		
10000.0		18 ± 3.0	
Trial Summary	Negative	Negative	Negative
Positive Control ³		154 ± 11.0	353 ± 22.9
Positive Control ⁵	815 ± 72.9		

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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: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****