

Experiment Number: 969619

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3-Hydroxy-N-phenylaniline

CAS Number: 101-18-8

Date Report Requested: 09/17/2018

Time Report Requested: 22:45:00

NTP Study Number:

969619

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	126 ± 8.0	88 ± 3.7	126 ± 7.8	108 ± 5.5	114 ± 13.3
3.0	141 ± 2.7	80 ± 2.2		138 ± 7.0	
10.0	129 ± 12.7	93 ± 8.7	117 ± 15.5	106 ± 10.6	122 ± 15.9
33.0	135 ± 11.6	103 ± 11.7	118 ± 3.5	104 ± 3.2	132 ± 15.4
100.0	139 ± 1.5	104 ± 10.1	120 ± 4.7	112 ± 5.8	133 ± 6.2
166.0		94 ± 12.5			
333.0	17 ± 16.5 ^s		107 ± 8.2	117 ± 9.8	114 ± 12.9
1000.0			12 ± 1.2 ^s		34 ± 14.5 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			610 ± 9.9	617 ± 19.4	1860 ± 46.6
Positive Control ³	707 ± 12.3	424 ± 24.6			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	98 ± 7.5
3.0	103 ± 10.4
10.0	93 ± 2.1
33.0	88 ± 9.3
100.0	87 ± 5.0
166.0	
333.0	93 ± 12.9
1000.0	
Trial Summary	Negative
Positive Control ²	569 ± 27.5
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	24 ± 4.6	23 ± 2.9	9 ± 1.9	11 ± 0.7	9 ± 2.1
3.0	27 ± 0.9	23 ± 2.1		18 ± 1.8	
10.0	27 ± 4.4	25 ± 3.5	9 ± 2.6	13 ± 1.5	8 ± 0.9
33.0	25 ± 3.9	31 ± 2.1	12 ± 2.0	13 ± 1.3	9 ± 1.8
100.0	27 ± 2.9	24 ± 2.3	5 ± 0.7	10 ± 2.0	9 ± 3.8
166.0		32 ± 3.2			
333.0	0 ± 0.0 ^s		7 ± 3.0	10 ± 3.0	12 ± 2.2
1000.0			3 ± 0.6 ^s		2 ± 0.7 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	617 ± 8.7	389 ± 11.7			
Positive Control ⁴			205 ± 9.6	166 ± 8.4	562 ± 18.0

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	12 ± 2.2
3.0	8 ± 1.8
10.0	9 ± 0.9
33.0	10 ± 0.7
100.0	10 ± 1.5
166.0	
333.0	7 ± 2.1
1000.0	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	382 ± 26.0

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	107 ± 1.0	142 ± 9.0	163 ± 4.4	190 ± 3.2	164 ± 6.5
3.0	125 ± 10.4	126 ± 12.5		202 ± 15.8	
10.0	124 ± 2.5	128 ± 2.1	157 ± 3.0	167 ± 3.0	163 ± 2.3
33.0	121 ± 8.6	124 ± 2.9	162 ± 6.7	163 ± 7.6	181 ± 11.9
100.0	128 ± 5.0	116 ± 8.1	150 ± 8.7	166 ± 3.5	176 ± 4.9
166.0		104 ± 15.2			
333.0	Toxic		100 ± 8.4	132 ± 2.5	169 ± 4.4
1000.0			0 ± 0.3 ^s		3 ± 2.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			1111 ± 10.9	470 ± 29.6	1359 ± 14.4
Positive Control ⁵	1639 ± 55.9	1118 ± 41.0			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	174 ± 11.3
3.0	160 ± 18.3
10.0	174 ± 7.5
33.0	158 ± 7.7
100.0	156 ± 15.3
166.0	
333.0	146 ± 1.5
1000.0	
Trial Summary	Negative
Positive Control ⁴	609 ± 5.8
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	23 ± 3.8	14 ± 1.3	30 ± 1.5	23 ± 2.3	28 ± 2.3
3.0	27 ± 1.5	12 ± 0.9		30 ± 5.0	
10.0	22 ± 1.2	16 ± 2.6	34 ± 1.5	32 ± 0.6	31 ± 6.9
33.0	21 ± 0.9	15 ± 3.2	35 ± 2.0	27 ± 4.6	36 ± 1.5
100.0	23 ± 1.8	13 ± 1.8	30 ± 3.2	25 ± 0.7	32 ± 1.2
166.0		15 ± 2.7			
333.0	Toxic		26 ± 2.4	23 ± 2.0	29 ± 1.9
1000.0			3 ± 1.5 ^s		6 ± 1.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			318 ± 28.5	340 ± 10.8	1312 ± 29.1
Positive Control ⁶	1299 ± 21.7	718 ± 15.5			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	37 ± 0.9
3.0	31 ± 3.2
10.0	44 ± 2.4
33.0	36 ± 2.0
100.0	31 ± 2.1
166.0	
333.0	24 ± 2.3
1000.0	
Trial Summary	Negative
Positive Control ²	203 ± 5.7
Positive Control ⁶	

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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 2-Aminoanthracene
- 3: 1.0 ug/Plate Sodium Azide
- 4: 2.5 ug/Plate 2-Aminoanthracene
- 5: 50.0 ug/Plate 9-Aminoacridine
- 6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

**** END OF REPORT ****