

Experiment Number: **620984**

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

G06: Ames Summary Data

Test Compound: **N-Hydroxybenzamide**

CAS Number: **495-18-1**

Date Report Requested: **09/15/2018**

Time Report Requested: **08:18:13**

NTP Study Number:

620984

Study Result:

Positive

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Test Compound: N-Hydroxybenzamide

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	110 ± 2.6	95 ± 6.2	106 ± 4.2	124 ± 3.0	110 ± 9.6
33.0		161 ± 2.1		182 ± 8.3	
100.0	184 ± 5.8	202 ± 9.9	266 ± 10.1	271 ± 6.1	178 ± 9.5
333.0	420 ± 24.0	375 ± 16.5	428 ± 14.7	534 ± 24.8	306 ± 3.5
667.0		508 ± 8.2		833 ± 35.5	
1000.0	747 ± 17.8	719 ± 16.7	864 ± 9.4	1037 ± 8.2	738 ± 11.9
3333.0	971 ± 48.9	924 ± 58.9	1310 ± 22.2	1405 ± 37.4	1043 ± 4.4
10000.0	763 ± 64.0		1062 ± 32.6		348 ± 23.3
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	592 ± 17.2	547 ± 2.9			
Positive Control ³					498 ± 81.5
Positive Control ⁴			888 ± 29.4	1082 ± 89.8	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	117 ± 4.4
33.0	147 ± 11.4
100.0	184 ± 2.6
333.0	388 ± 15.9
667.0	683 ± 19.6
1000.0	881 ± 34.5
3333.0	1261 ± 28.9
10000.0	
Trial Summary	Positive
Positive Control ²	
Positive Control ³	746 ± 8.1
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	22 ± 2.2	20 ± 2.3	23 ± 4.4	42 ± 2.7	30 ± 1.8
33.0		21 ± 1.2		46 ± 3.0	
100.0	22 ± 2.3	28 ± 2.9	36 ± 6.0	47 ± 4.4	37 ± 2.3
333.0	42 ± 4.5	44 ± 4.7	52 ± 2.3	68 ± 7.8	42 ± 2.7
667.0		62 ± 10.1		91 ± 3.5	
1000.0	100 ± 15.3	96 ± 1.8	132 ± 4.0	167 ± 2.4	85 ± 3.7
3333.0	239 ± 9.0	259 ± 5.5	302 ± 2.1	358 ± 16.9	257 ± 9.2
10000.0	87 ± 13.5		118 ± 22.6		157 ± 23.1
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ³			360 ± 23.4	403 ± 23.8	463 ± 20.4
Positive Control ⁵	327 ± 14.6	332 ± 23.4			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	37 ± 2.6
33.0	41 ± 4.8
100.0	36 ± 1.2
333.0	58 ± 1.5
667.0	84 ± 3.8
1000.0	117 ± 0.0
3333.0	334 ± 14.7
10000.0	
Trial Summary	Positive
Positive Control ³	406 ± 21.2
Positive Control ⁵	

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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: 0.5 ug/Plate Sodium Azide
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 2.0 ug/Plate 2-Aminoanthracene
- 5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****