

Experiment Number: **G08018**

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

G06: Ames Summary Data

Test Compound: **Nutlin 3**

CAS Number: **548472-68-0**

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

Time Report Requested: **22:28:47**

NTP Study Number:

G08018

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	100 ± 7.1	96 ± 2.6	91 ± 3.2	94 ± 5.9
1.0	101 ± 9.3	97 ± 1.0		
4.0	107 ± 8.8	95 ± 9.5		
10.0	102 ± 4.6	103 ± 1.7	74 ± 6.5	115 ± 6.9
25.0	108 ± 5.9	95 ± 6.1	71 ± 3.5	88 ± 2.6
100.0	92 ± 7.9	89 ± 2.8	76 ± 8.5	102 ± 6.9
400.0	85 ± 5.2	68 ± 7.3	65 ± 4.9	85 ± 9.2
1000.0		56 ± 6.7	71 ± 15.7	70 ± 7.2
2500.0			0 ± 0.0 ^x	46 ± 4.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	825 ± 26.3	844 ± 9.9		
Positive Control ³			335 ± 20.0	3821 ± 18.6

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	24 ± 5.2	20 ± 2.5	34 ± 5.2	30 ± 4.1
10.0	15 ± 1.5	18 ± 2.5	26 ± 4.3	31 ± 4.0
25.0	17 ± 4.8	21 ± 2.1	33 ± 2.7	27 ± 2.1
100.0	18 ± 3.1	17 ± 5.0	30 ± 3.3	26 ± 3.2
400.0	13 ± 3.8	20 ± 1.5	24 ± 2.0	25 ± 2.7
1000.0	23 ± 3.0	22 ± 2.3	31 ± 4.7	33 ± 2.7
2500.0	0 ± 0.0 ^x	12 ± 3.9	0 ± 0.0 ^x	43 ± 7.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			232 ± 20.0	1148 ± 24.5
Positive Control ⁵	330 ± 20.0	716 ± 31.4		

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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	109 ± 2.1	160 ± 3.2	140 ± 6.7	158 ± 9.8
10.0	115 ± 3.3	144 ± 7.0	145 ± 7.8	189 ± 4.2
25.0	129 ± 9.1	133 ± 4.4	147 ± 7.8	177 ± 4.7
100.0	111 ± 10.2	129 ± 7.9	148 ± 8.5	159 ± 3.2
400.0	147 ± 7.0	147 ± 9.6	140 ± 2.0	182 ± 4.8
1000.0	140 ± 7.6	137 ± 5.0	152 ± 3.2	171 ± 8.0
2500.0	0 ± 0.0 ^p	160 ± 12.2	0 ± 0.0 ^p	185 ± 10.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			874 ± 112.3	1350 ± 35.9
Positive Control ⁷	1195 ± 4.3	1265 ± 41.1		

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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: 5.0 ug/Plate 2-Aminoanthracene
- 4: 2.0 ug/Plate 2-Aminoanthracene
- 5: 3.0 ug/Plate 2-Nitrofluorene
- 6: 10.0 ug/Plate 2-Aminoanthracene
- 7: 100.0 ug/Plate Methyl Methane Sulfonate
- p: Precipitate
- x: Slight Toxicity and Precipitate

**** END OF REPORT ****