

Experiment Number: 800582

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: p-Tolylurea

CAS Number: 622-51-5

Date Report Requested: 09/15/2018

Time Report Requested: 08:52:17

NTP Study Number:

800582

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	151 ± 5.0	123 ± 3.8	133 ± 9.0	160 ± 6.9	144 ± 3.0
33.0	139 ± 6.1	137 ± 10.0			
100.0	125 ± 2.3	132 ± 4.5	138 ± 15.1	147 ± 7.2	154 ± 14.1
333.0	137 ± 9.5	129 ± 3.8	152 ± 13.6	146 ± 10.3	175 ± 5.8
1000.0	117 ± 20.2	134 ± 2.6	128 ± 11.5	139 ± 10.4	181 ± 14.6
3333.0	56 ± 27.7 ^s	127 ± 12.0	98 ± 12.0	116 ± 6.2	187 ± 10.1
10000.0			77 ± 7.0	107 ± 10.4	188 ± 11.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			448 ± 16.8	359 ± 8.4	1250 ± 16.3
Positive Control ³	337 ± 6.0	261 ± 15.6			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	149 ± 6.7
33.0	
100.0	145 ± 4.8
333.0	163 ± 9.3
1000.0	158 ± 4.1
3333.0	139 ± 12.9
10000.0	104 ± 14.2
Trial Summary	Negative
Positive Control ²	681 ± 11.1
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 0.3	14 ± 1.5	34 ± 4.7	36 ± 2.5	36 ± 1.9
33.0	17 ± 2.5	20 ± 3.8			
100.0	14 ± 2.5	18 ± 1.7	30 ± 3.4	29 ± 1.2	32 ± 4.0
333.0	12 ± 4.4	21 ± 1.7	23 ± 1.2	27 ± 6.0	27 ± 1.5
1000.0	12 ± 4.5	19 ± 2.4	30 ± 3.4	27 ± 5.5	35 ± 3.9
3333.0	Toxic	24 ± 2.5	26 ± 2.8	25 ± 7.3	28 ± 1.5
10000.0			27 ± 5.1	20 ± 3.5	36 ± 6.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	Toxic	278 ± 3.5			
Positive Control ⁴			331 ± 18.3	161 ± 4.6	423 ± 5.7

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	34 ± 1.9
33.0	
100.0	34 ± 2.3
333.0	34 ± 4.6
1000.0	29 ± 2.3
3333.0	36 ± 4.5
10000.0	39 ± 1.7
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	356 ± 7.7

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 2.0	7 ± 2.6	10 ± 2.3	13 ± 1.9	10 ± 2.2
33.0	5 ± 0.7	7 ± 0.7			
100.0	8 ± 0.7	6 ± 0.6	8 ± 2.1	9 ± 3.3	10 ± 3.3
333.0	7 ± 2.4	6 ± 0.9	5 ± 0.7	30 ± 23.4	8 ± 0.3
1000.0	8 ± 2.7	8 ± 2.9	7 ± 2.7	5 ± 0.6	10 ± 1.5
3333.0	13 ± 3.0	6 ± 0.9	5 ± 0.9	7 ± 1.3	8 ± 2.2
10000.0			4 ± 0.3	6 ± 1.2	10 ± 2.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			164 ± 11.5	134 ± 14.2	437 ± 11.1
Positive Control ⁵	244 ± 9.0	117 ± 11.9			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.9
33.0	
100.0	5 ± 1.2
333.0	9 ± 0.5
1000.0	8 ± 3.2
3333.0	8 ± 0.6
10000.0	5 ± 0.9
Trial Summary	Negative
Positive Control ⁴	344 ± 12.5
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	31 ± 4.9	21 ± 1.8	24 ± 1.9	37 ± 3.9	34 ± 8.7
33.0	19 ± 1.5	23 ± 4.0			
100.0	18 ± 6.5	21 ± 1.7	33 ± 8.6	48 ± 4.4	44 ± 8.5
333.0	22 ± 1.0	21 ± 2.7	35 ± 1.2	49 ± 0.7	46 ± 6.4
1000.0	15 ± 2.5	23 ± 3.1	29 ± 4.9	47 ± 5.0	39 ± 5.5
3333.0	Toxic	16 ± 2.0	22 ± 1.5	41 ± 6.4	37 ± 3.7
10000.0			23 ± 5.2	32 ± 3.0	29 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			319 ± 30.7	239 ± 17.1	1137 ± 3.0
Positive Control ⁶	918 ± 3.0	821 ± 18.2			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	36 ± 2.4
33.0	
100.0	43 ± 4.0
333.0	45 ± 7.5
1000.0	53 ± 5.0
3333.0	47 ± 2.2
10000.0	40 ± 1.8
Trial Summary	Negative
Positive Control ²	551 ± 44.2
Positive Control ⁶	

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Test Compound: **p-Tolylurea**

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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: 95% Ethanol

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 ****