

Experiment Number: 651117

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

G06: Ames Summary Data

Test Compound: **Tolytriazole**

CAS Number: **29385-43-1**

Date Report Requested: **09/11/2018**

Time Report Requested: **05:38:36**

NTP Study Number:

651117

Study Result:

Weakly Positive

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Dose (ug/Plate)	Without S9	With 5% Rat S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	99 ± 5.8	99 ± 11.6	138 ± 14.2	129 ± 6.8	109 ± 3.9
33.0	92 ± 0.4				
100.0	110 ± 8.2	128 ± 11.4	154 ± 8.3	118 ± 6.0	115 ± 13.0
333.0	106 ± 13.9	141 ± 16.6	163 ± 12.7	157 ± 7.6	110 ± 10.1
1000.0	100 ± 6.6	170 ± 11.8	192 ± 5.5	192 ± 4.0	145 ± 11.3
1666.0	108 ± 17.8				
3333.0		179 ± 7.3	191 ± 9.3	207 ± 6.6	171 ± 13.3
6666.0		99 ± 9.2	83 ± 9.9	121 ± 13.0	84 ± 14.6
Trial Summary	Negative	Positive	Equivocal	Positive	Equivocal
Positive Control ²		1008 ± 46.5	414 ± 22.7	580 ± 16.7	333 ± 42.7
Positive Control ³	235 ± 32.0				

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Dose (ug/Plate)	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	121 ± 4.4	111 ± 2.0	113 ± 12.7	126 ± 1.7	85 ± 4.3
33.0					
100.0	128 ± 9.6	131 ± 14.4	144 ± 13.3	146 ± 2.3	113 ± 8.0
333.0	133 ± 25.5	139 ± 13.9	144 ± 7.4	146 ± 11.6	128 ± 18.2
1000.0	178 ± 24.1	151 ± 6.2	158 ± 15.6	171 ± 9.3	116 ± 13.9
1666.0					
3333.0	216 ± 29.5	161 ± 7.3	172 ± 15.1	190 ± 17.0	124 ± 4.3
6666.0	158 ± 48.5	85 ± 10.6	54 ± 20.1	96 ± 17.2	88 ± 2.3
Trial Summary	Weakly Positive	Equivocal	Equivocal	Weakly Positive	Equivocal
Positive Control ²	297 ± 1.3	2294 ± 36.4	713 ± 12.3	1421 ± 25.1	1141 ± 11.3
Positive Control ³					

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	115 ± 4.8
33.0	
100.0	119 ± 9.3
333.0	124 ± 5.6
1000.0	142 ± 21.2
1666.0	
3333.0	130 ± 6.5
6666.0	97 ± 23.3
Trial Summary	Negative
Positive Control ²	600 ± 15.7
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	21 ± 3.4	9 ± 2.3	5 ± 0.9
33.0	15 ± 1.5		
100.0	15 ± 3.7	8 ± 0.6	7 ± 0.9
333.0	13 ± 0.6	8 ± 0.7	10 ± 1.9
1000.0	17 ± 1.5	13 ± 2.9	6 ± 0.7
1666.0	12 ± 2.7		
3333.0		11 ± 2.9	5 ± 1.2
6666.0		1 ± 1.3 ^s	Toxic
Trial Summary	Negative	Negative	Negative
Positive Control ³	259 ± 25.3		
Positive Control ⁴		140 ± 15.0	346 ± 24.5

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Test Compound: **Tolytriazole**

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Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	161 ± 16.6	170 ± 1.5	165 ± 8.4
33.0	170 ± 9.2		
100.0	172 ± 6.6	195 ± 2.6	185 ± 3.1
333.0	150 ± 11.8	180 ± 8.7	181 ± 11.1
1000.0	146 ± 2.9	193 ± 18.8	198 ± 5.8
1666.0	155 ± 5.4		
3333.0		170 ± 14.8	187 ± 16.4
6666.0		55 ± 22.8	30 ± 6.0
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		506 ± 60.0	634 ± 37.8
Positive Control ⁵	339 ± 34.8		

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Test Compound: Tolytriazole

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	23 ± 3.5	34 ± 3.8	40 ± 0.9	29 ± 5.1	34 ± 1.5
33.0	21 ± 3.5				
100.0	20 ± 2.6	29 ± 4.6	29 ± 0.7	30 ± 4.8	34 ± 1.7
333.0	27 ± 2.2	27 ± 2.3	33 ± 3.1	35 ± 4.9	46 ± 4.5
1000.0	16 ± 0.7	32 ± 2.6	50 ± 1.2	43 ± 3.2	50 ± 4.5
1666.0	20 ± 4.6				
3333.0		43 ± 1.3	47 ± 6.9	40 ± 8.7	45 ± 5.2
6666.0		17 ± 1.5	19 ± 5.7	20 ± 10.7	14 ± 5.8
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ²		1107 ± 49.2	1165 ± 134.1	339 ± 22.4	1184 ± 88.6
Positive Control ⁶	380 ± 20.2				

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	28 ± 1.5
33.0	
100.0	32 ± 4.4
333.0	29 ± 3.5
1000.0	44 ± 15.7
1666.0	
3333.0	31 ± 12.3
6666.0	20 ± 4.1
Trial Summary	Negative
Positive Control ²	285 ± 13.4
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 ****