

Experiment Number: 795311

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

G06: Ames Summary Data

Test Compound: **Triallylamine**

CAS Number: **102-70-5**

Date Report Requested: **09/18/2018**

Time Report Requested: **06:31:06**

NTP Study Number:

795311

Study Result:

Negative

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Triallylamine

CAS Number: 102-70-5

Date Report Requested: 09/18/2018

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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	91 ± 8.1	86 ± 3.5	109 ± 8.7	174 ± 13.7	126 ± 5.9
100.0	90 ± 3.6	86 ± 4.7	96 ± 9.4	151 ± 7.4	116 ± 3.6
333.0	95 ± 5.0	86 ± 5.7	125 ± 8.1	156 ± 6.7	118 ± 7.6
1000.0	98 ± 6.4	93 ± 4.0	116 ± 7.2	152 ± 14.4	114 ± 6.2
3333.0	92 ± 4.7	76 ± 11.7	96 ± 6.7	132 ± 8.6	75 ± 18.0
10000.0	Toxic	Toxic	Toxic	117 ± 9.5	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			2447 ± 50.6	2690 ± 53.0	1613 ± 46.0
Positive Control ³	1058 ± 66.7	339 ± 19.3			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	149 ± 9.0
100.0	154 ± 5.2
333.0	181 ± 4.4
1000.0	157 ± 19.0
3333.0	75 ± 10.1
10000.0	Toxic
Trial Summary	Negative
Positive Control ²	1906 ± 122.7
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	11 ± 1.8	9 ± 0.7	12 ± 0.3	13 ± 3.8	8 ± 0.7
100.0	12 ± 1.7		9 ± 1.5	15 ± 1.7	
333.0	7 ± 1.7		10 ± 2.2	10 ± 2.6	
1000.0	13 ± 2.0		10 ± 2.0	13 ± 1.5	
1667.0		9 ± 3.5			8 ± 1.9
3333.0	16 ± 2.2	8 ± 0.9	11 ± 1.8	15 ± 0.3	6 ± 1.2
6667.0		8 ± 2.3			6 ± 0.6
10000.0	40 ± 1.2	2 ± 0.6	10 ± 2.8	31 ± 1.5	3 ± 1.0
16666.0		0 ± 0.0			0 ± 0.3
Trial Summary	Equivocal	Negative	Negative	Equivocal	Negative
Positive Control ⁴				222 ± 25.5	107 ± 13.2
Positive Control ³	795 ± 61.9	204 ± 28.3	913 ± 46.0		

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Strain: TA1535

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	12 ± 1.7	15 ± 1.0	7 ± 2.3	9 ± 0.6
100.0	14 ± 1.9	15 ± 1.5		13 ± 3.6
333.0	10 ± 1.5	12 ± 0.7		8 ± 2.1
1000.0	7 ± 2.6	12 ± 1.8		11 ± 0.9
1667.0			9 ± 1.2	
3333.0	14 ± 1.7	14 ± 1.5	8 ± 0.7	9 ± 2.1
6667.0			10 ± 1.2	
10000.0	8 ± 2.6	27 ± 1.7	6 ± 0.9	3 ± 1.2
16666.0			0 ± 0.0	
Trial Summary	Negative	Equivocal	Negative	Negative
Positive Control ⁴	123 ± 7.8	421 ± 30.2	156 ± 23.3	168 ± 4.6
Positive Control ³				

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	6 ± 0.7	7 ± 0.9	6 ± 1.2	11 ± 3.5	14 ± 3.0
33.0		8 ± 0.6	7 ± 0.6		
100.0	8 ± 1.0	12 ± 1.2	9 ± 0.9	11 ± 1.5	16 ± 2.2
333.0	8 ± 1.9	8 ± 2.5	9 ± 1.2	11 ± 3.5	11 ± 0.9
1000.0	8 ± 1.2	5 ± 2.2	6 ± 1.3	15 ± 1.7	16 ± 1.5
3333.0	Toxic	9 ± 0.9	6 ± 0.6	12 ± 1.9	15 ± 1.2
10000.0	Toxic			6 ± 1.8	12 ± 3.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴				93 ± 23.0	178 ± 17.5
Positive Control ⁵	113 ± 23.7	254 ± 36.1	635 ± 333.4		

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 1.7	16 ± 3.0
33.0		
100.0	16 ± 1.3	21 ± 0.7
333.0	13 ± 1.0	10 ± 1.2
1000.0	9 ± 0.9	11 ± 2.9
3333.0	8 ± 1.0	15 ± 3.1
10000.0	Toxic	9 ± 2.3
Trial Summary	Negative	Negative
Positive Control ⁴	229 ± 5.3	299 ± 20.2
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	15 ± 1.5	11 ± 2.3	28 ± 1.2	39 ± 2.3	29 ± 5.0
100.0	15 ± 3.0	17 ± 3.8	29 ± 2.5	39 ± 2.5	33 ± 1.3
333.0	19 ± 5.2	15 ± 2.8	24 ± 2.1	38 ± 2.1	32 ± 5.5
1000.0	12 ± 1.0	13 ± 1.2	19 ± 3.4	38 ± 2.7	20 ± 4.2
3333.0	10 ± 0.9	14 ± 1.5	15 ± 2.0	40 ± 3.7	13 ± 3.4
10000.0	Toxic	7 ± 1.5	Toxic	20 ± 5.0	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			2172 ± 121.9	1970 ± 52.9	771 ± 45.4
Positive Control ⁶	575 ± 27.5	223 ± 10.0			

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Date Report Requested: 09/18/2018
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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	17 ± 1.0
100.0	21 ± 5.4
333.0	24 ± 2.3
1000.0	23 ± 2.6
3333.0	24 ± 1.5
10000.0	7 ± 3.5
Trial Summary	Negative
Positive Control ²	1491 ± 15.5
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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****