

Experiment Number: 929007

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Allylamine

CAS Number: 107-11-9

Date Report Requested: 09/17/2018

Time Report Requested: 07:48:23

NTP Study Number:

929007

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	118 ± 11.6	152 ± 0.6	153 ± 10.4	145 ± 14.4	124 ± 9.3
10.0					
33.0	105 ± 5.2	148 ± 6.2		151 ± 15.1	
100.0	108 ± 2.6	141 ± 5.0	146 ± 12.9	149 ± 5.0	140 ± 2.5
333.0	108 ± 5.5	154 ± 11.5	160 ± 2.9	120 ± 6.0	136 ± 2.3
1000.0	103 ± 6.6	141 ± 4.1	161 ± 5.9	128 ± 7.6	138 ± 3.5
3333.0	103 ± 3.8	2 ± 1.7	148 ± 3.8	14 ± 13.7	147 ± 6.9
10000.0			0 ± 0.0		19 ± 11.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1854 ± 247.4	2457 ± 78.1	2469 ± 113.2
Positive Control ³	1499 ± 116.7	1730 ± 33.0			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	165 ± 15.9
10.0	133 ± 3.0
33.0	152 ± 15.2
100.0	115 ± 9.2
333.0	111 ± 9.4
1000.0	0 ± 0.3
3333.0	
10000.0	
Trial Summary	Negative
Positive Control ²	2633 ± 99.4
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	3 ± 0.3	13 ± 1.0	20 ± 1.5	8 ± 1.2	17 ± 0.9
1.0		11 ± 1.7	23 ± 1.9		
3.0			24 ± 1.8		
3.3		12 ± 1.5			
10.0		14 ± 0.7	23 ± 2.0		10 ± 3.2
33.0	3 ± 0.9	11 ± 1.0	26 ± 1.7		22 ± 4.7
100.0	2 ± 0.7	21 ± 3.3	19 ± 1.7	6 ± 1.2	22 ± 1.7
333.0	1 ± 0.7			5 ± 1.5	21 ± 1.5
1000.0	0 ± 0.0			4 ± 1.2	19 ± 2.6
3333.0	0 ± 0.0			0 ± 0.0	
10000.0				0 ± 0.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴				231 ± 13.7	282 ± 22.1
Positive Control ³	1563 ± 95.1	1753 ± 20.3	1130 ± 33.6		

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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	11 ± 3.5	13 ± 3.2	16 ± 0.9	10 ± 1.3
1.0				
3.0				
3.3				
10.0	8 ± 0.9		13 ± 1.7	10 ± 2.0
33.0	9 ± 1.2		13 ± 1.5	7 ± 1.3
100.0	12 ± 3.5	12 ± 2.7	15 ± 2.5	6 ± 1.7
333.0	6 ± 1.9	5 ± 1.0	16 ± 2.0	8 ± 0.9
1000.0	10 ± 0.6	Toxic	13 ± 1.2	6 ± 1.5
3333.0		6 ± 3.2		
10000.0		1 ± 0.9		
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴	257 ± 1.9	193 ± 10.5	352 ± 13.7	340 ± 11.7
Positive Control ³				

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	5 ± 1.3	5 ± 1.2	7 ± 1.8	12 ± 2.1	10 ± 1.9
10.0		3 ± 0.9		12 ± 0.3	7 ± 0.3
33.0	3 ± 0.6	3 ± 1.0		11 ± 1.2	6 ± 1.5
100.0	3 ± 1.0	6 ± 1.2	6 ± 3.2	14 ± 2.2	9 ± 1.7
333.0	3 ± 1.0	3 ± 0.9	7 ± 1.2	14 ± 3.0	8 ± 1.0
1000.0	2 ± 1.2	4 ± 1.8	5 ± 1.5	8 ± 0.9	11 ± 1.5
3333.0	1 ± 0.7		0 ± 0.0		
10000.0			0 ± 0.0		
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			156 ± 18.1	220 ± 51.8	157 ± 18.4
Positive Control ⁵	366 ± 72.7	755 ± 300.7			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.9	18 ± 1.5	10 ± 1.5
10.0		19 ± 1.2	9 ± 2.8
33.0		20 ± 6.2	9 ± 1.7
100.0	5 ± 1.2	18 ± 2.3	13 ± 2.1
333.0	3 ± 0.6	17 ± 3.0	8 ± 1.5
1000.0	5 ± 0.9	18 ± 1.8	6 ± 1.7
3333.0	0 ± 0.3		
10000.0	0 ± 0.0		
Trial Summary	Negative	Negative	Negative
Positive Control ⁴	203 ± 55.4	127 ± 9.5	139 ± 17.0
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% Rat S9
Vehicle Control ¹	13 ± 0.9	21 ± 3.5	25 ± 1.0	25 ± 1.9	18 ± 2.7
10.0					
33.0	13 ± 0.6	19 ± 1.3		19 ± 0.9	16 ± 1.3
100.0	14 ± 3.8	18 ± 1.2	20 ± 0.7	23 ± 1.2	19 ± 1.2
333.0	11 ± 0.3	14 ± 1.2	17 ± 1.9	21 ± 2.0	13 ± 1.2
1000.0	16 ± 2.1	16 ± 3.2	16 ± 4.0	15 ± 1.2	20 ± 2.1
3333.0	9 ± 1.2	7 ± 2.2	Toxic	21 ± 1.7	16 ± 1.9
10000.0			0 ± 0.0		
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			425 ± 46.3	994 ± 77.1	1421 ± 127.8
Positive Control ⁶	155 ± 17.2	271 ± 17.9			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	23 ± 4.4	28 ± 0.5	18 ± 1.5
10.0			20 ± 3.2
33.0		28 ± 3.2	19 ± 2.9
100.0	32 ± 2.3	26 ± 1.5	21 ± 4.4
333.0	35 ± 0.3	20 ± 4.2	21 ± 1.2
1000.0	26 ± 3.2	20 ± 1.8	17 ± 2.2
3333.0	Toxic	25 ± 1.2	
10000.0	0 ± 0.0		
Trial Summary	Negative	Negative	Negative
Positive Control ²	838 ± 36.6	2140 ± 165.1	1318 ± 49.2
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 **