

Experiment Number: 690811

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3-Aminotriazole

CAS Number: 61-82-5

Date Report Requested: 09/13/2018

Time Report Requested: 02:35:22

NTP Study Number:

690811

Study Result:

Negative

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CAS Number: 61-82-5

Date Report Requested: 09/13/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	125 ± 4.9	120 ± 5.4	167 ± 8.6	131 ± 13.3	131 ± 17.3
100.0	113 ± 12.7	114 ± 4.0	168 ± 7.5	119 ± 10.7	146 ± 12.4
333.0	106 ± 7.4	102 ± 0.0	164 ± 8.1	129 ± 16.2	128 ± 11.0
1000.0	126 ± 13.5	107 ± 10.9	172 ± 4.0	121 ± 19.1	126 ± 5.5
3333.0	114 ± 13.3	97 ± 9.8	149 ± 6.5	92 ± 7.3	120 ± 4.4
10000.0	66 ± 11.8	36 ± 3.3	77 ± 5.5	37 ± 2.3	77 ± 8.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					824 ± 5.8
Positive Control ³	402 ± 10.6	314 ± 2.3			
Positive Control ⁴			578 ± 26.8	270 ± 3.1	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	143 ± 14.3
100.0	135 ± 5.6
333.0	142 ± 9.5
1000.0	130 ± 6.7
3333.0	108 ± 3.8
10000.0	63 ± 12.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	381 ± 25.2

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	28 ± 2.9	30 ± 2.3	11 ± 1.5	11 ± 1.5	11 ± 0.7
100.0	25 ± 4.4	33 ± 3.7		11 ± 2.3	
333.0	23 ± 1.8	31 ± 4.5		12 ± 1.8	
1000.0	25 ± 3.2	34 ± 7.9	12 ± 0.9	12 ± 0.7	15 ± 2.4
1666.0			14 ± 2.2		15 ± 2.4
3333.0	23 ± 2.5	27 ± 1.9	19 ± 1.2	17 ± 2.4	23 ± 1.3
6666.0			13 ± 0.3		34 ± 4.9
10000.0	12 ± 1.5	21 ± 2.7	10 ± 3.0	30 ± 2.6	29 ± 1.8
Trial Summary	Negative	Negative	Negative	Equivocal	Weakly Positive
Positive Control ³	413 ± 7.1	165 ± 7.7			
Positive Control ⁴					
Positive Control ⁵			226 ± 13.0	132 ± 7.6	112 ± 7.5

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Strain: TA1535

Dose (ug/Plate)	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	15 ± 3.3	10 ± 0.0	18 ± 0.3	8 ± 1.9	14 ± 2.5
100.0			20 ± 3.3	5 ± 1.2	17 ± 2.4
333.0			14 ± 0.3	11 ± 1.8	16 ± 2.5
1000.0	8 ± 1.5	12 ± 2.1	15 ± 1.0	12 ± 0.3	17 ± 3.4
1666.0	9 ± 1.5	13 ± 1.2			
3333.0	13 ± 0.9	11 ± 2.4	10 ± 1.5	12 ± 2.3	14 ± 2.0
6666.0	11 ± 1.0	11 ± 2.5			
10000.0	8 ± 0.3	8 ± 2.0	17 ± 0.9	5 ± 0.9	10 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					
Positive Control ⁴				233 ± 31.2	
Positive Control ⁵	135 ± 6.1	109 ± 7.1	103 ± 0.6		180 ± 15.5

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	145 ± 11.0	170 ± 11.7	202 ± 4.4	195 ± 7.0	153 ± 12.8
100.0	153 ± 5.2	157 ± 10.0	202 ± 4.6	176 ± 23.9	165 ± 11.5
333.0	143 ± 8.7	148 ± 5.5	178 ± 5.8	194 ± 7.5	156 ± 8.3
1000.0	150 ± 6.4	153 ± 20.3	183 ± 13.1	184 ± 6.2	153 ± 1.2
3333.0	145 ± 11.9	101 ± 29.7	155 ± 19.7	172 ± 18.5	155 ± 8.3
10000.0	30 ± 3.5	12 ± 9.9 ^s	14 ± 3.0 ^s	69 ± 41.5	87 ± 7.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					455 ± 16.5
Positive Control ⁴			440 ± 17.8		
Positive Control ⁵				472 ± 15.3	
Positive Control ⁶	334 ± 13.3				
Positive Control ⁷		1330 ± 149.0			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	179 ± 10.6
100.0	178 ± 12.2
333.0	167 ± 16.2
1000.0	173 ± 19.9
3333.0	160 ± 10.7
10000.0	122 ± 26.8
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	522 ± 5.0
Positive Control ⁵	
Positive Control ⁶	
Positive Control ⁷	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	25 ± 2.2	20 ± 2.6	37 ± 0.7	20 ± 2.3	37 ± 4.4
100.0	31 ± 1.2	19 ± 3.8	32 ± 3.8	18 ± 1.9	39 ± 4.1
333.0	22 ± 2.7	18 ± 0.7	33 ± 2.6	17 ± 2.6	40 ± 2.6
1000.0	30 ± 2.9	15 ± 1.5	35 ± 4.2	17 ± 3.2	34 ± 3.1
3333.0	20 ± 0.3	11 ± 2.1	38 ± 4.5	13 ± 1.0	33 ± 1.9
10000.0	17 ± 2.0	11 ± 0.9	23 ± 3.1	9 ± 1.3	24 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					416 ± 9.5
Positive Control ⁴			265 ± 2.2	104 ± 3.3	
Positive Control ⁸	767 ± 40.8	753 ± 18.7			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	24 ± 0.9
100.0	25 ± 2.7
333.0	28 ± 3.9
1000.0	19 ± 5.2
3333.0	18 ± 5.2
10000.0	15 ± 0.9
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	322 ± 18.7
Positive Control ⁸	

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 1.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 2-Aminoanthracene

6: 25.0 ug/Plate 9-Aminoacridine

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****