

Experiment Number: 630739

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Aminobenzothiazole

CAS Number: 136-95-8

Date Report Requested: 09/10/2018

Time Report Requested: 17:24:05

NTP Study Number:

630739

Study Result:

Negative

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Date Report Requested: 09/10/2018

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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	128 ± 3.9	161 ± 5.5	150 ± 6.9	149 ± 9.0	169 ± 4.7
33.0	117 ± 6.2	171 ± 8.5	155 ± 12.6		144 ± 4.2
100.0	130 ± 2.6	169 ± 9.1	173 ± 6.7	150 ± 3.7	142 ± 2.9
333.0	116 ± 3.2	164 ± 1.2	173 ± 5.8	156 ± 8.4	150 ± 3.5
1000.0	120 ± 6.9	127 ± 1.7	133 ± 6.4	154 ± 4.2	145 ± 2.8
1666.0	103 ± 6.7				
3333.0		Toxic	73 ± 3.0	105 ± 14.7	76 ± 2.2
6666.0				32 ± 7.4 ^x	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					626 ± 13.0
Positive Control ³			652 ± 14.5		
Positive Control ⁴	393 ± 20.9	580 ± 12.5			
Positive Control ⁵				477 ± 24.5	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	147 ± 9.0
33.0	
100.0	123 ± 3.4
333.0	122 ± 18.8
1000.0	142 ± 5.3
1666.0	
3333.0	83 ± 11.0
6666.0	15 ± 2.1 ^x
Trial Summary	Negative
Positive Control ²	
Positive Control ³	564 ± 13.1
Positive Control ⁴	
Positive Control ⁵	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 1.2	22 ± 2.2	13 ± 2.0	17 ± 1.7	11 ± 4.3
33.0	18 ± 2.0	18 ± 1.3	11 ± 1.9		9 ± 2.9
100.0	20 ± 3.3	13 ± 3.2	7 ± 0.7	16 ± 3.5	10 ± 3.5
333.0	14 ± 2.9	15 ± 3.0	10 ± 1.5	11 ± 1.0	10 ± 0.9
1000.0	17 ± 1.8	11 ± 0.6	6 ± 1.5	10 ± 2.2	7 ± 1.5
1666.0	10 ± 3.6				
3333.0		Toxic	2 ± 0.3	3 ± 1.5	4 ± 0.0
6666.0				0 ± 0.0 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					204 ± 15.1
Positive Control ⁴	263 ± 13.2	487 ± 13.0			
Positive Control ⁶			164 ± 8.4		
Positive Control ⁷				140 ± 6.6	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 2.5
33.0	
100.0	13 ± 2.9
333.0	6 ± 0.3
1000.0	6 ± 1.2
1666.0	
3333.0	2 ± 0.0
6666.0	0 ± 0.3
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁶	209 ± 11.1
Positive Control ⁷	

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Date Report Requested: 09/10/2018
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Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	7 ± 0.9	7 ± 1.5	10 ± 2.1
33.0	8 ± 1.8		
100.0	5 ± 1.2	9 ± 1.7	9 ± 1.5
333.0	5 ± 0.7	11 ± 0.9	7 ± 1.7
1000.0	7 ± 0.3	11 ± 1.2	9 ± 1.5
1666.0	8 ± 1.7		
3333.0		2 ± 1.0	5 ± 0.9
6666.0		0 ± 0.3 ^s	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ³			30 ± 1.2
Positive Control ⁶		20 ± 0.3	
Positive Control ⁸	219 ± 3.8		

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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	174 ± 5.8	177 ± 4.5	185 ± 8.8	197 ± 7.9	150 ± 12.0
33.0	178 ± 9.8	169 ± 3.3	205 ± 8.9		149 ± 7.2
100.0	165 ± 5.8	171 ± 2.0	201 ± 7.9	171 ± 13.9	155 ± 6.8
333.0	171 ± 20.7	172 ± 1.5	174 ± 5.9	156 ± 29.6	148 ± 12.7
1000.0	147 ± 25.7	179 ± 12.7	193 ± 18.5	146 ± 16.2	88 ± 11.7
1666.0	147 ± 16.3				
3333.0		Toxic	78 ± 4.7	80 ± 19.9	32 ± 6.3
6666.0				0 ± 0.0 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					394 ± 7.4
Positive Control ³			402 ± 17.1		
Positive Control ⁶				315 ± 26.4	
Positive Control ⁸	461 ± 25.2	925 ± 22.4			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	187 ± 12.7
33.0	
100.0	194 ± 9.6
333.0	195 ± 2.6
1000.0	195 ± 10.1
1666.0	
3333.0	84 ± 5.5
6666.0	11 ± 10.7 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	425 ± 23.3
Positive Control ⁶	
Positive Control ⁸	

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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	15 ± 2.1	20 ± 1.3	33 ± 1.3	27 ± 1.2	24 ± 2.4
33.0	11 ± 1.8	21 ± 1.5	32 ± 3.2		21 ± 2.1
100.0	12 ± 1.3	15 ± 3.5	41 ± 1.5	25 ± 3.2	24 ± 4.7
333.0	15 ± 3.5	19 ± 5.4	28 ± 5.2	25 ± 2.6	23 ± 1.8
1000.0	12 ± 2.0	17 ± 2.7	27 ± 1.5	32 ± 2.6	25 ± 1.0
1666.0	13 ± 2.8				
3333.0		Toxic	17 ± 3.4	17 ± 0.7	14 ± 1.2
6666.0				0 ± 0.3 ^x	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					408 ± 12.7
Positive Control ³			327 ± 25.9	113 ± 11.7	
Positive Control ⁹	519 ± 15.1	605 ± 12.7			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	27 ± 0.9
33.0	
100.0	21 ± 4.8
333.0	28 ± 1.8
1000.0	28 ± 1.0
1666.0	
3333.0	22 ± 4.4
6666.0	1 ± 1.0 ^x
Trial Summary	Negative
Positive Control ²	
Positive Control ³	376 ± 12.3
Positive Control ⁹	

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.0 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate 2-Aminoanthracene

7: 5.0 ug/Plate 2-Aminoanthracene

8: 50.0 ug/Plate 9-Aminoacridine

9: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

x: Slight Toxicity and Precipitate

**** END OF REPORT ****