

Experiment Number: 461292

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 5,6-Dichloro-2-benzothiazolamine

CAS Number: 24072-75-1

Date Report Requested: 09/11/2018

Time Report Requested: 09:52:12

NTP Study Number:

461292

Study Result:

Negative

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Test Compound: 5,6-Dichloro-2-benzothiazolamine
CAS Number: 24072-75-1

Date Report Requested: 09/11/2018

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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	87 ± 2.7	85 ± 1.2	84 ± 4.4	96 ± 1.5	80 ± 8.1
1.0	104 ± 5.8	82 ± 8.7		127 ± 4.0	
3.3	92 ± 8.2	80 ± 4.4	88 ± 3.5	101 ± 1.3	75 ± 5.2
10.0	88 ± 4.0	79 ± 5.9	100 ± 5.0	107 ± 5.0	80 ± 5.2
33.0	82 ± 9.2	75 ± 1.5	87 ± 7.8	116 ± 4.0	88 ± 6.4
67.0	70 ± 5.0	68 ± 5.1 ^s			
100.0			76 ± 3.4	104 ± 3.5	78 ± 7.2
200.0			Toxic		7 ± 4.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					575 ± 18.6
Positive Control ³	391 ± 7.6	291 ± 12.8			
Positive Control ⁴			600 ± 8.5		
Positive Control ⁵					
Positive Control ⁶				540 ± 22.5	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	101 ± 9.0
1.0	97 ± 4.3
3.3	95 ± 3.8
10.0	92 ± 6.0
33.0	104 ± 7.6
67.0	
100.0	92 ± 1.2
200.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	2007 ± 80.6
Positive Control ⁶	

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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	27 ± 3.8	14 ± 1.7	9 ± 1.7	18 ± 3.2	7 ± 1.9
1.0	22 ± 0.6	15 ± 1.5			
3.3	22 ± 2.3	16 ± 1.2	8 ± 2.5	11 ± 1.7	7 ± 0.3
10.0	19 ± 2.7	15 ± 3.8	6 ± 0.3	11 ± 1.5	9 ± 4.0
33.0	19 ± 1.2	21 ± 1.7	12 ± 1.2	11 ± 2.5	10 ± 1.5
67.0		13 ± 0.9			
100.0	17 ± 2.6 ^s		7 ± 1.5	11 ± 2.7	8 ± 1.5
200.0			0 ± 0.0 ^s	9 ± 1.2	3 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					110 ± 41.9
Positive Control ³	252 ± 14.8	220 ± 19.6			
Positive Control ⁵					
Positive Control ⁶			106 ± 19.3	149 ± 14.1	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	12 ± 2.1
1.0	
3.3	7 ± 1.2
10.0	5 ± 1.5
33.0	9 ± 3.5
67.0	
100.0	13 ± 3.7
200.0	10 ± 3.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	146 ± 6.1
Positive Control ⁶	

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	5 ± 1.0	9 ± 1.8	9 ± 0.3
1.0	6 ± 1.3		
3.3	9 ± 1.2	9 ± 2.4	9 ± 0.9
10.0	6 ± 1.9	9 ± 1.7	8 ± 0.9
33.0	7 ± 2.1	10 ± 0.6	12 ± 3.2
100.0	4 ± 1.8	15 ± 2.3	11 ± 1.8
200.0		9 ± 2.1	13 ± 0.3
Trial Summary	Negative	Negative	Negative
Positive Control ⁷		72 ± 3.7	226 ± 12.8
Positive Control ⁸	13 ± 0.9		

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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	60 ± 0.3	73 ± 2.9	106 ± 2.3	116 ± 31.4	104 ± 0.7
1.0	71 ± 6.0	68 ± 3.2			
3.3	79 ± 6.3	63 ± 2.3	98 ± 1.3	161 ± 11.6	92 ± 3.6
10.0	66 ± 4.3	54 ± 2.7	94 ± 3.2	158 ± 4.7	101 ± 3.0
33.0	28 ± 9.8	27 ± 8.0	90 ± 10.5	173 ± 3.6	89 ± 4.8
67.0		0 ± 0.0 ^s			
100.0	0 ± 0.0 ^s		3 ± 0.6	125 ± 3.2	6 ± 1.5
200.0			0 ± 0.0 ^s	10 ± 1.5	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ⁴					868 ± 32.9
Positive Control ⁶			1081 ± 53.1		
Positive Control ⁷				481 ± 27.6	
Positive Control ⁹	188 ± 19.2	207 ± 25.9			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	105 ± 7.1
1.0	
3.3	162 ± 9.5
10.0	125 ± 3.0
33.0	129 ± 3.5
67.0	
100.0	83 ± 9.1
200.0	22 ± 9.6
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁷	1091 ± 89.8
Positive Control ⁹	

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Test Compound: 5,6-Dichloro-2-benzothiazolamine
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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	14 ± 2.9	12 ± 1.2	23 ± 1.7	25 ± 1.5	27 ± 2.1
1.0	19 ± 2.6	13 ± 4.3		26 ± 3.5	
3.3	14 ± 1.5	11 ± 2.1	26 ± 1.5	21 ± 1.7	28 ± 3.4
10.0	15 ± 2.3	16 ± 1.9	20 ± 2.5	26 ± 3.5	31 ± 1.2
33.0	20 ± 2.0	15 ± 2.6	20 ± 1.7	38 ± 1.5	33 ± 2.9
67.0	11 ± 2.5	11 ± 1.2 ^s			
100.0			15 ± 3.5	30 ± 3.9	25 ± 3.1
200.0			4 ± 1.5 ^s		25 ± 5.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ¹⁰					
Positive Control ²			299 ± 14.6		
Positive Control ⁵				98 ± 11.5	120 ± 3.5
Positive Control ¹¹	114 ± 5.9	231 ± 9.4			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	27 ± 1.8	33 ± 3.7
1.0		30 ± 4.0
3.3	25 ± 4.8	32 ± 2.0
10.0	23 ± 1.2	31 ± 3.2
33.0	24 ± 3.4	38 ± 3.5
67.0		
100.0	20 ± 0.6	36 ± 2.3
200.0	11 ± 1.9 ^s	
Trial Summary	Negative	Negative
Positive Control ¹⁰	234 ± 13.6	
Positive Control ²		529 ± 28.6
Positive Control ⁵		
Positive Control ¹¹		

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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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 2.5 ug/Plate 2-Aminoanthracene

8: 4.0 ug/Plate 9-Aminoacridine

9: 8.0 ug/Plate 9-Aminoacridine

10: 0.2 ug/Plate 2-Aminoanthracene

11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****