

Experiment Number: 636072

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Thiazolamine

CAS Number: 96-50-4

Date Report Requested: 09/10/2018

Time Report Requested: 23:09:49

NTP Study Number:

636072

Study Result:

Positive

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Mutagenicity**G06: Ames Summary Data**

Test Compound: 2-Thiazolamine

CAS Number: 96-50-4

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Strain: TA100

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	163 ± 7.9	161 ± 1.8	156 ± 13.0	160 ± 5.0	145 ± 3.9
33.0	114 ± 13.3			142 ± 9.4	
100.0	120 ± 6.2	167 ± 6.2	165 ± 2.6	146 ± 5.6	136 ± 6.9
333.0	147 ± 14.6	157 ± 8.5	155 ± 5.6	145 ± 8.0	165 ± 5.0
666.0		141 ± 6.9	164 ± 4.5		178 ± 3.0
1000.0	158 ± 6.8	137 ± 12.5	154 ± 5.4	179 ± 0.7	163 ± 6.6
1666.0	127 ± 2.3	143 ± 9.6	152 ± 11.4	145 ± 11.1	160 ± 9.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²		884 ± 38.9	599 ± 7.5		
Positive Control ³	440 ± 14.7				
Positive Control ⁴				454 ± 73.8	457 ± 23.7

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	131 ± 14.6
33.0	144 ± 14.5
100.0	145 ± 8.0
333.0	137 ± 10.6
666.0	
1000.0	137 ± 12.7
1666.0	134 ± 9.1
Trial Summary	Negative
Positive Control ²	479 ± 10.7
Positive Control ³	
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 5% Hamster S9	With 5% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 0.0	35 ± 3.6	29 ± 4.5	24 ± 2.7	32 ± 3.5
33.0	22 ± 3.3	33 ± 5.4			
100.0	21 ± 2.4	33 ± 4.7	42 ± 1.2	21 ± 0.9	32 ± 2.9
333.0	19 ± 3.5	39 ± 0.7	42 ± 1.8	28 ± 5.9	33 ± 1.9
666.0			51 ± 0.9	41 ± 2.2	43 ± 1.3
1000.0	17 ± 2.4	29 ± 1.5	71 ± 9.7	55 ± 1.2	57 ± 4.5
1666.0	18 ± 2.0	39 ± 5.2	108 ± 5.9	101 ± 6.1	92 ± 10.4
Trial Summary	Negative	Negative	Positive	Positive	Positive
Positive Control ⁵			880 ± 47.6	2040 ± 59.1	311 ± 4.0
Positive Control ²		112 ± 5.3			
Positive Control ⁶	580 ± 42.2				

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Test Compound: 2-Thiazolamine
CAS Number: 96-50-4

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	29 ± 0.3	32 ± 4.7
33.0	29 ± 1.5	
100.0	32 ± 3.7	30 ± 0.9
333.0	38 ± 5.2	29 ± 1.9
666.0		34 ± 3.6
1000.0	45 ± 0.0	42 ± 3.0
1666.0	63 ± 3.0	52 ± 5.0
Trial Summary	Equivocal	Equivocal
Positive Control ⁵		
Positive Control ²	284 ± 5.2	313 ± 8.4
Positive Control ⁶		

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Mutagenicity**

G06: Ames Summary Data

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 0.5 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****