

Experiment Number: 849934

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,2'-Thiobis(4-chlorophenol)

CAS Number: 97-24-5

Date Report Requested: 09/16/2018

Time Report Requested: 08:30:17

NTP Study Number:

849934

Study Result:

Negative

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CAS Number: 97-24-5

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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	101 ± 10.1	105 ± 6.4	85 ± 2.9	104 ± 7.1	79 ± 3.1
0.03	93 ± 2.3	102 ± 1.8			
0.1	89 ± 6.1	111 ± 7.1			
0.3	81 ± 10.7	98 ± 4.9	82 ± 3.2	124 ± 3.8	94 ± 2.3
1.0	78 ± 5.9	87 ± 9.8	78 ± 3.2	124 ± 2.7	80 ± 2.1
3.3	79 ± 1.7	94 ± 3.8	77 ± 8.6	100 ± 2.9	71 ± 1.2
10.0			75 ± 3.8	98 ± 11.7	81 ± 3.5
33.0			76 ± 3.8 ^s	100 ± 5.4	67 ± 2.9 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					753 ± 24.9
Positive Control ³			1149 ± 45.3		
Positive Control ⁴				1017 ± 39.8	
Positive Control ⁵	1165 ± 18.9	1231 ± 47.2			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	96 ± 1.7
0.03	
0.1	
0.3	107 ± 6.7
1.0	92 ± 6.4
3.3	93 ± 9.0
10.0	101 ± 2.5
33.0	89 ± 6.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	1343 ± 45.2
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	23 ± 0.9	25 ± 1.5	14 ± 1.2	11 ± 1.8	13 ± 1.2
0.03	31 ± 2.6	29 ± 2.9			
0.1	23 ± 1.2	23 ± 3.9			
0.3	24 ± 3.5	25 ± 3.5	11 ± 2.5	12 ± 1.7	12 ± 0.7
1.0	23 ± 3.0	22 ± 4.7	17 ± 2.1	16 ± 1.8	13 ± 2.0
3.3	28 ± 0.9	25 ± 4.5	13 ± 1.2	14 ± 1.9	14 ± 3.3
10.0			10 ± 2.3	11 ± 2.1	9 ± 0.7
33.0			9 ± 1.8 ^s	8 ± 1.0	11 ± 1.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					82 ± 1.7
Positive Control ³			113 ± 7.2		
Positive Control ⁴				170 ± 2.7	
Positive Control ⁵	894 ± 27.6	953 ± 22.2			

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Date Report Requested: 09/16/2018

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 1.8
0.03	
0.1	
0.3	9 ± 1.2
1.0	10 ± 0.6
3.3	13 ± 0.9
10.0	11 ± 0.9
33.0	10 ± 1.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	214 ± 14.5
Positive Control ⁵	

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Test Compound: 2,2'-Thiobis(4-chlorophenol)

CAS Number: 97-24-5

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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	83 ± 2.0	76 ± 6.6	107 ± 2.7	180 ± 7.2	106 ± 7.3
0.03	85 ± 5.2	88 ± 5.0			
0.1	96 ± 4.9	87 ± 8.1			
0.3	91 ± 5.8	93 ± 4.0	115 ± 2.9	159 ± 7.4	105 ± 4.8
1.0	100 ± 3.8	89 ± 5.8	108 ± 9.6	140 ± 7.2	102 ± 6.8
3.3	79 ± 0.7	96 ± 2.3	105 ± 4.6	128 ± 9.7	106 ± 2.1
10.0			97 ± 3.8	127 ± 7.5	88 ± 7.5
33.0			59 ± 4.2 ^s	134 ± 6.4	77 ± 5.4 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					513 ± 11.0
Positive Control ³			691 ± 47.0		
Positive Control ⁴				643 ± 18.8	
Positive Control ⁶	641 ± 22.7	957 ± 16.5			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	119 ± 4.2
0.03	
0.1	
0.3	137 ± 7.8
1.0	138 ± 3.8
3.3	137 ± 5.5
10.0	133 ± 10.6
33.0	118 ± 10.8
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	690 ± 27.6
Positive Control ⁶	

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CAS Number: 97-24-5

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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	17 ± 3.1	14 ± 2.0	30 ± 3.8	27 ± 6.2	33 ± 0.7
0.03	18 ± 1.2	12 ± 1.8			
0.1	18 ± 2.8	13 ± 3.2			
0.3	22 ± 0.9	17 ± 1.9	30 ± 4.3	29 ± 1.9	27 ± 2.5
1.0	16 ± 2.6	19 ± 1.9	28 ± 5.4	29 ± 2.3	32 ± 1.0
3.3	17 ± 1.5	15 ± 1.5	30 ± 3.3	31 ± 4.0	24 ± 2.2
10.0			26 ± 4.2	33 ± 1.2	25 ± 3.4
33.0			32 ± 1.8 ^s	39 ± 0.6	34 ± 1.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					655 ± 50.9
Positive Control ³			752 ± 45.5		
Positive Control ⁴				700 ± 26.1	
Positive Control ⁷	1663 ± 48.9	1498 ± 20.3			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	25 ± 2.6
0.03	
0.1	
0.3	29 ± 3.2
1.0	27 ± 4.3
3.3	26 ± 3.2
10.0	25 ± 2.2
33.0	28 ± 2.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	1141 ± 35.8
Positive Control ⁷	

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate Sodium Azide

6: 4.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

** END OF REPORT **