

Experiment Number: 524732

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,2'-Thiobis(4,6-dichlorophenol)

CAS Number: 97-18-7

Date Report Requested: 09/12/2018

Time Report Requested: 18:08:21

NTP Study Number:

524732

Study Result:

Negative

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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	161 ± 0.3	118 ± 6.1	168 ± 4.8	126 ± 8.4	168 ± 7.9
0.1	159 ± 4.6	135 ± 7.7			
0.3	157 ± 4.7	142 ± 10.0			
1.0	168 ± 3.2	129 ± 6.7	144 ± 6.3	142 ± 6.9	138 ± 8.6
3.0	155 ± 5.5	118 ± 7.2	158 ± 9.0	141 ± 6.0	135 ± 15.0
6.0		81 ± 9.2			
10.0	89 ± 11.9 ^s		157 ± 12.9	153 ± 5.2	147 ± 10.5
33.0			162 ± 7.2	119 ± 8.8	140 ± 13.7
66.0				145 ± 2.9	
100.0			9 ± 8.0 ^s		0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			511 ± 26.3	438 ± 26.3	1726 ± 68.2
Positive Control ³	380 ± 4.2	433 ± 5.0			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	141 ± 10.7
0.1	
0.3	
1.0	133 ± 5.8
3.0	127 ± 7.3
6.0	
10.0	159 ± 8.3
33.0	144 ± 3.8
66.0	127 ± 5.2
100.0	
Trial Summary	Negative
Positive Control ²	952 ± 12.6
Positive Control ³	

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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	18 ± 4.5	24 ± 3.1	12 ± 0.3	13 ± 1.8	9 ± 1.8
0.1	21 ± 2.6	26 ± 1.9			
0.3	19 ± 1.5	26 ± 2.1			
1.0	19 ± 2.8	24 ± 5.5	8 ± 1.3	17 ± 0.3	9 ± 0.0
3.0	21 ± 0.9	29 ± 4.4	13 ± 0.9	16 ± 2.0	8 ± 2.0
6.0		26 ± 4.2			
10.0	17 ± 1.7		9 ± 2.0	18 ± 1.5	9 ± 1.3
33.0			8 ± 0.9	14 ± 3.1	9 ± 1.2
66.0				15 ± 1.0	
100.0			0 ± 0.0 ^s		0 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	343 ± 5.8	427 ± 6.1			
Positive Control ⁴			165 ± 3.8	189 ± 6.7	462 ± 39.2

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	14 ± 2.2
0.1	
0.3	
1.0	12 ± 2.0
3.0	14 ± 1.2
6.0	
10.0	17 ± 2.3
33.0	13 ± 2.3
66.0	14 ± 2.6
100.0	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	672 ± 20.8

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Test Compound: 2,2'-Thiobis(4,6-dichlorophenol)

CAS Number: 97-18-7

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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	135 ± 13.0	137 ± 1.5	160 ± 4.4	192 ± 4.0	157 ± 12.7
0.1	151 ± 2.3	134 ± 8.2			
0.3	143 ± 5.6	146 ± 12.8			
1.0	152 ± 7.2	149 ± 7.5	170 ± 2.0	185 ± 13.7	149 ± 3.1
3.0	135 ± 12.3	142 ± 1.8	168 ± 8.4	779 ± 609.3	155 ± 11.1
6.0		51 ± 6.9			
10.0	27 ± 8.7 ^s		178 ± 6.7	196 ± 4.3	148 ± 14.4
33.0			157 ± 2.7	176 ± 12.6	131 ± 15.3
66.0				161 ± 8.1	
100.0			9 ± 5.0 ^s		0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			809 ± 24.5	596 ± 12.7	1587 ± 52.8
Positive Control ⁵	931 ± 159.6	901 ± 40.4			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	163 ± 10.4
0.1	
0.3	
1.0	178 ± 5.9
3.0	159 ± 9.7
6.0	
10.0	171 ± 4.9
33.0	152 ± 16.9
66.0	158 ± 7.6
100.0	
Trial Summary	Negative
Positive Control ⁴	1011 ± 61.6
Positive Control 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	27 ± 1.8	21 ± 2.3	33 ± 3.8	37 ± 2.0	32 ± 2.2
0.1	16 ± 2.1	20 ± 1.2			
0.3	23 ± 1.0	25 ± 2.3			
1.0	23 ± 1.5	27 ± 3.8	29 ± 0.7	37 ± 3.8	31 ± 1.2
3.0	21 ± 3.0	23 ± 3.0	26 ± 4.5	37 ± 2.1	35 ± 3.5
6.0		20 ± 1.5			
10.0	14 ± 4.2 ^s		29 ± 1.5	36 ± 2.6	41 ± 1.9
33.0			32 ± 5.8	31 ± 1.2	32 ± 3.6
66.0				26 ± 1.5	
100.0			10 ± 4.9 ^s		9 ± 2.6 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			216 ± 16.9	155 ± 1.5	934 ± 25.6
Positive Control ⁶	1181 ± 16.8	993 ± 31.7			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	31 ± 2.4
0.1	
0.3	
1.0	33 ± 2.6
3.0	39 ± 1.2
6.0	
10.0	35 ± 3.0
33.0	30 ± 1.2
66.0	31 ± 3.2
100.0	
Trial Summary	Negative
Positive Control ²	493 ± 21.7
Positive Control ⁶	

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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: 2.5 ug/Plate 2-Aminoanthracene
- 5: 50.0 ug/Plate 9-Aminoacridine
- 6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

**** END OF REPORT ****