

Experiment Number: 755282

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data

Test Compound: **4,4-Thiobis(6-tert-butyl-m-cresol)**

CAS Number: 96-69-5

Date Report Requested: **09/17/2018**

Time Report Requested: **14:53:21**

NTP Study Number:

755282

Study Result:

Negative

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Date Report Requested: 09/17/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	97 ± 2.3	115 ± 4.4	108 ± 15.1	179 ± 14.2	101 ± 5.9
100.0	78 ± 1.9	111 ± 8.5	145 ± 6.5	192 ± 7.0	131 ± 10.7
333.0	79 ± 4.3 ^P	109 ± 4.9 ^P	169 ± 12.1 ^P	190 ± 4.4 ^P	122 ± 2.2 ^P
1000.0	103 ± 8.1 ^P	120 ± 6.6 ^P	137 ± 9.8 ^P	164 ± 6.9 ^P	126 ± 5.9 ^P
3333.0	68 ± 19.9 ^P	118 ± 1.7 ^P	68 ± 5.2 ^P	159 ± 11.0 ^P	75 ± 7.9 ^P
10000.0	78 ± 15.7 ^P	143 ± 10.1 ^P	72 ± 9.9 ^P	121 ± 10.4 ^P	76 ± 10.1 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1642 ± 41.2	1329 ± 27.2	1678 ± 99.2
Positive Control ³	439 ± 41.8	1499 ± 34.9			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	190 ± 8.8
100.0	175 ± 2.1
333.0	197 ± 6.8 ^P
1000.0	150 ± 18.8 ^P
3333.0	174 ± 23.7 ^P
10000.0	131 ± 7.1 ^P
Trial Summary	Negative
Positive Control ²	1987 ± 17.7
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	3 ± 0.9	13 ± 0.9	9 ± 1.8	25 ± 1.3	4 ± 0.6
33.0		15 ± 1.2			
100.0	3 ± 0.9	16 ± 1.2	6 ± 1.2	28 ± 1.5	7 ± 2.3
333.0	3 ± 0.6 ^P	14 ± 1.3 ^P	5 ± 0.7 ^P	22 ± 2.6 ^P	8 ± 1.5 ^P
1000.0	1 ± 0.7 ^P	9 ± 1.5 ^P	3 ± 0.3 ^P	20 ± 2.5 ^P	5 ± 0.9 ^P
3333.0	1 ± 0.7 ^P	7 ± 0.9 ^P	7 ± 1.7 ^P	11 ± 2.5 ^P	6 ± 1.9 ^P
10000.0	0 ± 0.0 ^P		1 ± 0.3 ^P	Toxic	1 ± 0.7 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			102 ± 16.2		197 ± 38.9
Positive Control ³	126 ± 11.1	972 ± 63.7			
Positive Control ⁴				346 ± 20.3	

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	17 ± 1.5
33.0	
100.0	21 ± 0.7
333.0	19 ± 1.8 ^p
1000.0	12 ± 2.0 ^p
3333.0	14 ± 2.0 ^p
10000.0	Toxic
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	260 ± 42.3

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.2	9 ± 1.8	6 ± 1.5	17 ± 2.8	4 ± 1.2
33.0		7 ± 0.9			
100.0	4 ± 1.2	5 ± 1.8	8 ± 0.6	19 ± 3.1	7 ± 0.9
333.0	4 ± 0.0 ^P	8 ± 0.9 ^P	7 ± 1.2 ^P	17 ± 4.1 ^P	10 ± 1.8 ^P
1000.0	1 ± 0.7 ^P	3 ± 1.0 ^P	4 ± 1.2 ^P	9 ± 3.7 ^P	10 ± 1.0 ^P
3333.0	1 ± 0.6 ^P	3 ± 1.2 ^P	4 ± 0.6 ^P	7 ± 1.7 ^P	11 ± 2.3 ^P
10000.0	0 ± 0.0 ^P		2 ± 0.9 ^P	Toxic	3 ± 0.9 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			204 ± 29.4		120 ± 8.0
Positive Control ⁴				739 ± 45.4	
Positive Control ⁵	116 ± 13.4	328 ± 35.7			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	14 ± 0.6
33.0	
100.0	16 ± 1.8
333.0	10 ± 2.5 ^P
1000.0	7 ± 1.9 ^P
3333.0	5 ± 1.2 ^P
10000.0	Toxic
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	346 ± 7.9
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	20 ± 0.6	17 ± 1.5	29 ± 0.9	39 ± 1.8	22 ± 3.8
100.0	9 ± 0.9	20 ± 3.0	23 ± 2.0	38 ± 2.7	18 ± 4.3
333.0	9 ± 0.5 ^p	12 ± 1.8 ^p	29 ± 2.6 ^p	43 ± 1.5 ^p	13 ± 1.7 ^p
1000.0	13 ± 4.2 ^p	15 ± 1.2 ^p	25 ± 2.7 ^p	15 ± 2.8 ^p	12 ± 0.3 ^p
3333.0	9 ± 3.2 ^p	9 ± 0.9 ^p	17 ± 2.3 ^p	13 ± 2.1 ^p	8 ± 1.2 ^p
10000.0	6 ± 1.8 ^p	9 ± 2.4 ^p	17 ± 3.5 ^p	Toxic	14 ± 1.2 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			942 ± 83.8	583 ± 2.2	2076 ± 87.7
Positive Control ⁶	170 ± 15.4	199 ± 13.0			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	27 ± 4.2
100.0	32 ± 0.7
333.0	23 ± 8.5 ^P
1000.0	13 ± 2.8 ^P
3333.0	14 ± 2.0 ^P
10000.0	Toxic
Trial Summary	Negative
Positive Control ²	1302 ± 51.3
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: 3.3 ug/Plate Sodium Azide

4: 3.3 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****