

Experiment Number: 425893

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,2'-Methylene-bis (4-chlorophenol)

CAS Number: 97-23-4

Date Report Requested: 09/15/2018

Time Report Requested: 06:11:21

NTP Study Number:

425893

Study Result:

Positive

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Mutagenicity**G06: Ames Summary Data**

Test Compound: 2,2'-Methylene-bis (4-chlorophenol)

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	107 ± 6.3	137 ± 6.5	121 ± 3.2	124 ± 3.6
0.3	93 ± 1.7			
1.0	103 ± 2.3			
3.3	109 ± 6.1	159 ± 3.0	123 ± 4.5	
10.0	112 ± 8.8	151 ± 5.9	123 ± 2.6	128 ± 8.7
20.0	38 ± 1.5 ^s			
33.0		163 ± 14.7	158 ± 1.5	132 ± 9.7
100.0		172 ± 22.0	324 ± 8.5	284 ± 3.7
150.0				412 ± 7.2
200.0		Toxic	396 ± 14.7 ^s	226 ± 7.3 ^s
Trial Summary	Negative	Negative	Positive	Positive
Positive Control ²	466 ± 6.7			
Positive Control ³			484 ± 25.5	515 ± 10.4
Positive Control ⁴		1187 ± 63.6		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	17 ± 2.4	29 ± 5.7	34 ± 4.7
0.3	24 ± 1.2		
1.0	19 ± 3.1		
3.3	20 ± 3.2	28 ± 1.2	32 ± 2.9
10.0	21 ± 1.9	28 ± 4.6	36 ± 10.7
20.0	12 ± 2.6		
33.0		33 ± 2.9	35 ± 3.6
100.0		35 ± 2.0	37 ± 1.7
200.0		Toxic	38 ± 3.4 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ³		265 ± 9.0	294 ± 5.5
Positive Control ⁵	335 ± 16.0		

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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: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****