

Experiment Number: 224608

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

G06: Ames Summary Data

Test Compound: **Chlorotrianisene**

CAS Number: **569-57-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **21:54:21**

NTP Study Number:

224608

Study Result:

Negative

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Mutagenicity

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Test Compound: Chlorotrianisene

CAS Number: 569-57-3

Date Report Requested: 09/14/2018

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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	92 ± 4.2	105 ± 4.0	111 ± 3.2	115 ± 15.4	124 ± 8.9
100.0	106 ± 8.1	109 ± 4.7	107 ± 4.8	150 ± 4.6	137 ± 8.3
333.0	107 ± 9.0	115 ± 6.2	98 ± 3.2	131 ± 7.2	138 ± 11.2
1000.0	87 ± 2.5	142 ± 6.9	141 ± 12.9	100 ± 6.1	129 ± 0.6
3333.0	85 ± 6.0 ^p	132 ± 2.2 ^p	130 ± 6.6 ^p	99 ± 7.5 ^p	123 ± 9.8 ^p
10000.0	73 ± 13.9 ^p	119 ± 7.2 ^p	128 ± 3.2 ^p	72 ± 6.2 ^p	107 ± 1.2 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					510 ± 37.5
Positive Control ³	465 ± 9.3	388 ± 6.5			
Positive Control ⁴			502 ± 43.8	211 ± 107.0	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	122 ± 7.2
100.0	121 ± 16.1
333.0	142 ± 13.9
1000.0	174 ± 11.8
3333.0	150 ± 5.0 ^p
10000.0	104 ± 14.0 ^p
Trial Summary	Equivocal
Positive Control ²	
Positive Control ³	
Positive Control ⁴	380 ± 14.6

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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 ± 0.9	15 ± 1.5	7 ± 1.8	14 ± 4.6	10 ± 4.4
100.0	16 ± 1.3	27 ± 2.2	8 ± 1.5	15 ± 0.6	9 ± 3.4
333.0	12 ± 0.3	18 ± 2.1	6 ± 1.2	10 ± 1.3	13 ± 0.3
1000.0	12 ± 1.2	23 ± 2.7	7 ± 1.3	8 ± 1.7	11 ± 2.8
3333.0	13 ± 3.3 ^p	19 ± 2.9 ^p	13 ± 1.2 ^p	11 ± 2.6 ^p	8 ± 1.5 ^p
10000.0	8 ± 0.6 ^p	10 ± 1.2 ^p	5 ± 1.0 ^p	9 ± 1.5 ^p	6 ± 0.9 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					206 ± 19.6
Positive Control ³	434 ± 3.2	416 ± 13.5			
Positive Control ⁵			184 ± 13.0	101 ± 7.2	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	14 ± 2.6
100.0	12 ± 1.2
333.0	8 ± 0.3
1000.0	7 ± 1.5
3333.0	8 ± 1.0 ^p
10000.0	8 ± 0.9 ^p
Trial Summary	Negative
Positive Control ⁴	
Positive Control ³	
Positive Control ⁵	284 ± 29.9

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.3	6 ± 0.3	11 ± 2.0	12 ± 2.3	12 ± 0.7
100.0	9 ± 2.1	6 ± 1.3	11 ± 1.7	15 ± 0.3	9 ± 2.1
333.0	6 ± 1.2	6 ± 1.5	13 ± 2.6	7 ± 1.2	10 ± 2.5
1000.0	5 ± 2.0	7 ± 1.2	8 ± 2.3	9 ± 1.3	9 ± 1.7
3333.0	3 ± 0.9 ^p	5 ± 1.5 ^p	6 ± 1.3 ^p	7 ± 1.7 ^p	6 ± 1.5 ^p
10000.0	3 ± 0.3 ^p	4 ± 1.0 ^p	5 ± 1.5 ^p	3 ± 0.9 ^p	3 ± 0.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					55 ± 7.8
Positive Control ⁴			50 ± 1.2		
Positive Control ⁵				54 ± 6.2	
Positive Control ⁶	338 ± 33.0	163 ± 8.7			

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Strain: TA1537

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	10 ± 2.0
100.0	12 ± 2.0
333.0	6 ± 0.7
1000.0	8 ± 2.0
3333.0	9 ± 1.2 ^p
10000.0	7 ± 1.2 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	48 ± 7.5
Positive Control ⁵	
Positive Control ⁶	

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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	132 ± 8.2	149 ± 14.1	154 ± 18.4	177 ± 7.3	162 ± 1.5
100.0	154 ± 8.6	137 ± 8.6	135 ± 27.7	193 ± 3.9	188 ± 8.4
333.0	145 ± 2.4	134 ± 13.2	168 ± 7.2	193 ± 4.6	159 ± 12.1
1000.0	144 ± 2.0	129 ± 15.8	181 ± 15.6	187 ± 6.4	249 ± 17.9
1666.0					
3333.0	132 ± 4.6 ^p	128 ± 12.5 ^p	180 ± 8.7 ^p	176 ± 5.2 ^p	225 ± 14.3 ^p
10000.0	86 ± 7.5 ^p	68 ± 21.7 ^p	130 ± 17.2 ^p	106 ± 4.2 ^p	100 ± 14.1 ^p
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ²					320 ± 29.2
Positive Control ⁴			390 ± 36.0		
Positive Control ⁵				343 ± 28.4	
Positive Control ⁶	526 ± 29.2	321 ± 52.0			

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Test Compound: Chlorotrianisene

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	134 ± 9.5	174 ± 6.5
100.0	129 ± 64.6	183 ± 6.1
333.0	195 ± 11.1	195 ± 3.1
1000.0	166 ± 7.0	160 ± 5.8
1666.0	190 ± 16.1	
3333.0	147 ± 17.4 ^p	172 ± 3.8 ^p
10000.0		115 ± 2.6 ^p
Trial Summary	Equivocal	Negative
Positive Control ²	613 ± 20.5	
Positive Control ⁴		290 ± 18.8
Positive Control ⁵		
Positive Control ⁶		

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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	37 ± 3.5	16 ± 3.2	32 ± 4.7	43 ± 3.8	20 ± 1.5
100.0	47 ± 5.7	17 ± 0.9	30 ± 3.0	40 ± 5.5	32 ± 0.9
333.0	52 ± 3.5	16 ± 2.2	35 ± 7.5	49 ± 4.0	27 ± 2.1
1000.0	48 ± 4.2	17 ± 2.9	32 ± 0.7	44 ± 5.5	26 ± 3.2
3333.0	46 ± 5.5 ^p	19 ± 0.9 ^p	27 ± 0.3 ^p	44 ± 7.0 ^p	31 ± 4.2 ^p
10000.0	36 ± 1.9 ^p	10 ± 1.2 ^p	35 ± 2.4 ^p	34 ± 3.8 ^p	23 ± 2.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					493 ± 28.5
Positive Control ⁴			489 ± 41.7	111 ± 6.4	
Positive Control ⁷	477 ± 29.7	452 ± 18.7			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	36 ± 3.5
100.0	35 ± 4.7
333.0	46 ± 5.8
1000.0	50 ± 4.0
3333.0	46 ± 6.1 ^P
10000.0	40 ± 1.7 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	211 ± 7.1
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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 1.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 2-Aminoanthracene

6: 50.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****