

Experiment Number: 721054

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 4-Chloro-o-toluidine hydrochloride

CAS Number: 3165-93-3

Date Report Requested: 09/12/2018

Time Report Requested: 01:02:19

NTP Study Number:

721054

Study Result:

Negative

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Test Compound: 4-Chloro-o-toluidine hydrochloride
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Date Report Requested: 09/12/2018

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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	75 ± 7.9	109 ± 3.8	81 ± 4.4	152 ± 15.3	89 ± 15.8
1.0		127 ± 4.4			
3.3		125 ± 13.5			
10.0	86 ± 3.2	130 ± 6.4		129 ± 11.7	
33.0	79 ± 3.2	113 ± 3.9	95 ± 6.0	166 ± 9.6	134 ± 19.7
100.0	73 ± 5.0	Toxic	92 ± 2.7	148 ± 12.0	88 ± 9.9
333.0	0 ± 0.0		87 ± 6.2	138 ± 13.7	95 ± 6.7
1000.0	0 ± 0.0		Toxic	Toxic	Toxic
3333.0			0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1691 ± 55.5	1296 ± 159.8	1544 ± 127.5
Positive Control ³	396 ± 41.0	680 ± 25.6			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	143 ± 19.2
1.0	
3.3	
10.0	147 ± 8.8
33.0	164 ± 1.7
100.0	163 ± 11.0
333.0	162 ± 5.2
1000.0	Toxic
3333.0	
Trial Summary	Negative
Positive Control ²	2324 ± 111.7
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	4 ± 1.0	7 ± 1.9	5 ± 2.6	13 ± 2.2	7 ± 2.4
1.0		7 ± 1.5			
3.3		6 ± 0.9			
10.0	2 ± 0.7	4 ± 0.9		15 ± 1.5	
33.0	2 ± 0.3	5 ± 0.7	8 ± 2.0	17 ± 1.9	3 ± 0.6
100.0	3 ± 0.3	Toxic	5 ± 0.7	13 ± 0.6	5 ± 0.9
333.0	0 ± 0.0		6 ± 1.7	10 ± 3.1	7 ± 1.5
1000.0	0 ± 0.0		7 ± 1.5	Toxic	7 ± 1.3
3333.0			0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			123 ± 30.7	48 ± 2.4	55 ± 8.4
Positive Control ³	225 ± 23.8	106 ± 9.4			

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Test Compound: 4-Chloro-o-toluidine hydrochloride

CAS Number: 3165-93-3

Date Report Requested: 09/12/2018

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	13 ± 1.2
1.0	
3.3	
10.0	11 ± 0.7
33.0	10 ± 2.3
100.0	13 ± 2.1
333.0	10 ± 2.1
1000.0	Toxic
3333.0	
Trial Summary	Negative
Positive Control ²	81 ± 5.0
Positive Control ³	

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Test Compound: 4-Chloro-o-toluidine hydrochloride
CAS Number: 3165-93-3

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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	5 ± 1.2	8 ± 1.2	6 ± 3.2	12 ± 3.8	5 ± 1.9
1.0		11 ± 2.0			
3.3		6 ± 0.9			
10.0	3 ± 0.3	7 ± 1.0		16 ± 2.6	
33.0	3 ± 1.2	6 ± 1.5	3 ± 0.6	17 ± 4.4	2 ± 0.3
100.0	1 ± 0.6	2 ± 0.3	4 ± 0.6	19 ± 2.1	3 ± 1.0
333.0	0 ± 0.0		5 ± 0.9	13 ± 1.5	4 ± 0.6
1000.0	0 ± 0.0		2 ± 0.9	Toxic	3 ± 0.6
3333.0			0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			103 ± 17.0	42 ± 6.4	76 ± 11.4
Positive Control ⁴	129 ± 3.2	51 ± 9.9			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	13 ± 3.2
1.0	
3.3	
10.0	12 ± 2.1
33.0	9 ± 2.1
100.0	10 ± 1.2
333.0	7 ± 1.5
1000.0	Toxic
3333.0	
Trial Summary	Negative
Positive Control ²	126 ± 24.7
Positive Control ⁴	

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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	13 ± 1.2	15 ± 1.2	14 ± 2.9	16 ± 0.7	13 ± 3.8
3.3		11 ± 1.7			
10.0	11 ± 1.2	11 ± 0.7		22 ± 4.4	
33.0	14 ± 0.0	13 ± 1.3	13 ± 2.5	18 ± 2.1	14 ± 1.9
100.0	14 ± 2.0	12 ± 2.0	13 ± 1.2	16 ± 2.6	13 ± 1.5
333.0	6 ± 1.5	6 ± 3.5	8 ± 0.6	23 ± 3.9	11 ± 1.5
1000.0	0 ± 0.0		6 ± 1.2	10 ± 1.8	6 ± 1.7
3333.0			0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1016 ± 97.9	616 ± 96.1	742 ± 90.8
Positive Control ⁵	194 ± 25.7	306 ± 13.5			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	15 ± 3.4
3.3	
10.0	17 ± 1.3
33.0	22 ± 3.8
100.0	22 ± 3.4
333.0	29 ± 2.1
1000.0	10 ± 1.7
3333.0	
Trial Summary	Negative
Positive Control ²	1580 ± 157.6
Positive Control ⁵	

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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: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****