

Experiment Number: 134465

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

G06: Ames Summary Data

Test Compound: **2-Chloropropyl-dimethylamine hydrochloride**

CAS Number: **4584-49-0**

Date Report Requested: **09/12/2018**

Time Report Requested: **08:23:23**

NTP Study Number:

134465

Study Result:

Positive

Experiment Number: 134465

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Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Chloropropyl-dimethylamine hydrochloride
CAS Number: 4584-49-0

Date Report Requested: 09/12/2018

Time Report Requested: 08:23:23

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	147 ± 11.7	173 ± 7.9	160 ± 3.5	173 ± 6.8	162 ± 6.8
10.0		176 ± 12.8		193 ± 2.2	
33.0	162 ± 12.8	216 ± 9.9	187 ± 5.5	217 ± 4.8	176 ± 8.8
100.0	188 ± 8.0	215 ± 9.9	252 ± 10.6	253 ± 3.2	245 ± 8.5
333.0	338 ± 6.7	343 ± 15.3	401 ± 8.8	415 ± 3.2	395 ± 6.6
1000.0	563 ± 30.5	575 ± 53.6	746 ± 34.3	663 ± 48.6	868 ± 42.3
3333.0	818 ± 27.7		1043 ± 10.5		1105 ± 59.5
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					643 ± 32.2
Positive Control ³			474 ± 13.3	445 ± 19.2	
Positive Control ⁴	459 ± 39.7	722 ± 28.5			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	179 ± 6.9
10.0	202 ± 14.7
33.0	206 ± 6.0
100.0	286 ± 16.5
333.0	443 ± 24.3
1000.0	727 ± 40.6
3333.0	
Trial Summary	Positive
Positive Control ²	607 ± 19.5
Positive Control ³	
Positive Control ⁴	

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CAS Number: 4584-49-0

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9
Vehicle Control ¹	23 ± 2.0	20 ± 2.7	40 ± 2.5	21 ± 2.3	17 ± 2.3
33.0	24 ± 0.7	18 ± 1.9	36 ± 4.7	20 ± 3.4	20 ± 4.8
100.0	29 ± 7.5	18 ± 0.9	32 ± 3.5	19 ± 3.4	21 ± 2.3
333.0	27 ± 4.7	26 ± 3.6	42 ± 7.5	20 ± 2.9	14 ± 2.0
1000.0	37 ± 3.2	27 ± 2.6	44 ± 4.1	23 ± 3.2	19 ± 2.5
3333.0	41 ± 9.7	40 ± 1.5	47 ± 4.7	23 ± 1.8	29 ± 6.5
6666.0		47 ± 1.8	40 ± 5.0	34 ± 3.3	32 ± 2.5
10000.0		46 ± 3.3	63 ± 3.0	42 ± 0.7	29 ± 1.2
Trial Summary	Equivocal	Positive	Equivocal	Equivocal	Equivocal
Positive Control ⁵					
Positive Control ²				567 ± 45.6	337 ± 17.6
Positive Control ⁶	785 ± 11.6	1196 ± 83.3	789 ± 11.3		

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Time Report Requested: 08:23:23

CAS Number: 4584-49-0

Strain: TA98

Dose (ug/Plate)	With 30% Rat S9	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	19 ± 3.6	21 ± 0.9	20 ± 2.6	17 ± 1.2	23 ± 2.2
33.0	22 ± 2.6	17 ± 3.3	18 ± 0.6	18 ± 1.8	19 ± 1.2
100.0	19 ± 0.9	23 ± 2.2	18 ± 3.5	20 ± 2.9	25 ± 2.1
333.0	23 ± 1.9	19 ± 0.9	17 ± 1.5	20 ± 4.3	24 ± 2.4
1000.0	22 ± 2.7	21 ± 1.5	26 ± 1.5	20 ± 0.7	28 ± 4.3
3333.0	28 ± 5.2	25 ± 3.3	24 ± 3.2	22 ± 3.7	27 ± 0.9
6666.0		27 ± 0.7	24 ± 2.7	28 ± 2.0	
10000.0		32 ± 2.6	24 ± 2.1	32 ± 0.7	
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ⁵			977 ± 29.9	728 ± 14.1	
Positive Control ²	121 ± 17.8	139 ± 2.6			456 ± 21.6
Positive Control ⁶					

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	20 ± 0.3
33.0	22 ± 1.7
100.0	22 ± 2.3
333.0	22 ± 1.8
1000.0	18 ± 0.7
3333.0	23 ± 6.2
6666.0	24 ± 1.5
10000.0	38 ± 1.9
Trial Summary	Equivocal
Positive Control ⁵	
Positive Control ²	572 ± 16.0
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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 0.5 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****