

Experiment Number: 490641

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3-Chloromethylpyridine hydrochloride

CAS Number: 6959-48-4

Date Report Requested: 09/11/2018

Time Report Requested: 23:09:52

NTP Study Number:

490641

Study Result:

Positive

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Date Report Requested: 09/11/2018

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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	164 ± 6.5	201 ± 7.5	167 ± 13.1	146 ± 4.5	170 ± 2.6
33.0	171 ± 1.5	183 ± 10.7			
100.0	182 ± 3.4	175 ± 6.8	180 ± 10.0	160 ± 4.7	167 ± 3.5
333.0	255 ± 2.3	257 ± 9.8	219 ± 7.3	207 ± 4.5	208 ± 7.4
1000.0	391 ± 5.5 ^s	398 ± 13.4	367 ± 9.4	390 ± 14.3	386 ± 14.2
3333.0	361 ± 159.0 ^s	703 ± 32.3 ^s	905 ± 21.6 ^s	1069 ± 20.5 ^s	1074 ± 39.1 ^s
6666.0			96 ± 41.0 ^s	1042 ± 11.0 ^s	152 ± 86.6 ^s
Trial Summary	Weakly Positive	Positive	Positive	Positive	Positive
Positive Control ²					1232 ± 31.8
Positive Control ³			1027 ± 14.8	1510 ± 100.0	
Positive Control ⁴	1351 ± 30.3	1580 ± 36.1			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	151 ± 7.8
33.0	
100.0	167 ± 7.6
333.0	224 ± 8.5
1000.0	358 ± 13.5
3333.0	977 ± 80.0 ^s
6666.0	275 ± 26.5 ^s
Trial Summary	Positive
Positive Control ²	1119 ± 41.7
Positive Control ³	
Positive Control ⁴	

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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	22 ± 2.3	38 ± 1.5	9 ± 1.9	10 ± 2.6	10 ± 2.0
33.0	23 ± 3.0	39 ± 2.5			
100.0	14 ± 2.2	36 ± 1.2	10 ± 0.6		11 ± 2.0
333.0	14 ± 1.0	18 ± 1.2	9 ± 1.2	10 ± 1.3	10 ± 0.9
1000.0	28 ± 1.2	25 ± 1.2	26 ± 3.5	42 ± 13.2	23 ± 2.7
2000.0				92 ± 1.9	
3333.0	33 ± 12.3 ^s	10 ± 1.7 ^s	83 ± 9.3	116 ± 1.5	83 ± 9.1
6666.0			20 ± 5.9 ^s	46 ± 13.4 ^s	3 ± 1.2 ^s
Trial Summary	Equivocal	Negative	Positive	Positive	Positive
Positive Control ²					100 ± 9.0
Positive Control ³			101 ± 5.7	106 ± 7.8	
Positive Control ⁴	1149 ± 86.4	1276 ± 48.2			

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Date Report Requested: 09/11/2018

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	15 ± 0.0
33.0	
100.0	
333.0	10 ± 0.7
1000.0	26 ± 3.9
2000.0	91 ± 14.7
3333.0	152 ± 1.9
6666.0	5 ± 2.2 ^s
Trial Summary	Positive
Positive Control ²	109 ± 6.4
Positive Control ³	
Positive Control ⁴	

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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	4 ± 1.2	5 ± 1.8	9 ± 0.3	9 ± 1.2	7 ± 2.4
33.0	6 ± 0.6	7 ± 2.7			
100.0	6 ± 1.5	5 ± 1.2	8 ± 0.9	10 ± 2.0	7 ± 1.7
333.0	7 ± 0.9	8 ± 1.0	9 ± 1.2	7 ± 2.6	7 ± 0.9
1000.0	16 ± 3.2	14 ± 5.2	4 ± 2.0	10 ± 1.7	7 ± 1.2
3333.0	25 ± 2.9 ^s	7 ± 0.9 ^s	4 ± 1.2	8 ± 1.5	8 ± 0.6
6666.0			1 ± 0.6 ^s	2 ± 0.6 ^s	1 ± 0.3 ^s
Trial Summary	Positive	Negative	Negative	Negative	Negative
Positive Control ²					92 ± 3.7
Positive Control ³			81 ± 7.2	135 ± 2.4	
Positive Control ⁵	506 ± 21.5	430 ± 37.3			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.7
33.0	
100.0	9 ± 4.5
333.0	13 ± 2.9
1000.0	8 ± 2.7
3333.0	8 ± 0.9
6666.0	1 ± 0.9 ^s
Trial Summary	Negative
Positive Control ²	110 ± 4.0
Positive Control ³	
Positive Control ⁵	

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Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**Test Compound: **3-Chloromethylpyridine hydrochloride**

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CAS Number: 6959-48-4

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 2.2	25 ± 1.8	31 ± 5.8
33.0	14 ± 0.7		
100.0	21 ± 2.5	27 ± 1.8	20 ± 2.1
333.0	18 ± 2.0	26 ± 2.7	34 ± 2.9
1000.0	22 ± 3.6	24 ± 3.4	29 ± 2.5
3333.0	8 ± 1.5 ^s	28 ± 4.2	40 ± 2.4
6666.0		8 ± 3.6 ^s	7 ± 2.3 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ²			752 ± 19.2
Positive Control ³		471 ± 15.6	
Positive Control ⁶	1497 ± 28.3		

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****