

Experiment Number: A14054

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 09/15/2018

Time Report Requested: 21:36:21

NTP Study Number:

A14054

Study Result:

Positive

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Test Compound: o-Chloropyridine
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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	116 ± 6.1	151 ± 3.5	128 ± 5.5	111 ± 9.1	127 ± 5.5
10.0					127 ± 1.2
33.0					155 ± 13.4
100.0	130 ± 1.7	153 ± 7.4		220 ± 8.4	231 ± 18.2
166.0					362 ± 12.9
333.0	137 ± 4.5	168 ± 10.0	159 ± 5.7	461 ± 31.5	496 ± 17.6
666.0			180 ± 7.6		
1000.0	114 ± 9.1	294 ± 3.8	251 ± 18.6	1254 ± 7.7	
1666.0			358 ± 16.7		
3333.0	126 ± 4.9	557 ± 20.7	554 ± 20.3	1146 ± 24.0	
6666.0	117 ± 1.0				
10000.0		157 ± 13.7 ^s		Toxic	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²				645 ± 18.2	661 ± 18.8
Positive Control ³	850 ± 20.5				
Positive Control ⁴		541 ± 18.8	626 ± 13.1		

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CAS Number: 109-09-1

Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	22 ± 2.3	16 ± 2.7	22 ± 1.7	21 ± 2.4	24 ± 3.2
100.0	20 ± 1.0	21 ± 4.0		27 ± 1.2	30 ± 0.6
166.0					45 ± 2.2
333.0	19 ± 3.2	19 ± 3.2	25 ± 2.3	57 ± 6.7	71 ± 2.1
666.0			34 ± 2.6		106 ± 4.4
1000.0	22 ± 1.3	43 ± 3.3	48 ± 1.8	256 ± 5.9	251 ± 20.0
1666.0			52 ± 1.5		
3333.0	21 ± 4.3	68 ± 3.0	64 ± 2.9	286 ± 3.8	
6666.0	17 ± 1.2				
10000.0		6 ± 1.2 ^x		Toxic	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²				311 ± 5.8	457 ± 14.7
Positive Control ⁵	421 ± 27.6				
Positive Control ⁴		251 ± 13.4	410 ± 6.3		

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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: Dimethyl Sulfoxide

2: 2.0 ug/Plate 2-Aminoanthracene

3: 5.0 ug/Plate Sodium Azide

4: 5.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

x: Slight Toxicity and Precipitate

** END OF REPORT **