

Experiment Number: 096311

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Allyl chloride

CAS Number: 107-05-1

Date Report Requested: 09/11/2018

Time Report Requested: 12:42:27

NTP Study Number:

096311

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	127 ± 6.7	105 ± 3.7	174 ± 4.7	151 ± 5.1
100.0	138 ± 12.5		173 ± 9.6	143 ± 1.9
333.0	132 ± 2.4	111 ± 2.6	164 ± 21.7	144 ± 4.0
666.0		129 ± 7.3		
1000.0	196 ± 9.8	160 ± 9.0	151 ± 2.0	153 ± 7.0
1666.0		209 ± 8.4		
3333.0	335 ± 24.8	295 ± 9.5	163 ± 5.7	146 ± 10.0
6666.0	347 ± 23.2		180 ± 7.3	160 ± 8.8
Trial Summary	Positive	Positive	Negative	Negative
Positive Control ²				405 ± 32.0
Positive Control ³			500 ± 9.5	
Positive Control ⁴	698 ± 3.5	612 ± 36.0		

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	22 ± 5.0	14 ± 3.0	19 ± 2.3	25 ± 4.0	21 ± 4.5
10.0		19 ± 1.2		22 ± 0.3	
33.0		13 ± 2.3		16 ± 2.6	
100.0	31 ± 3.5	17 ± 0.3	23 ± 2.9	26 ± 0.6	19 ± 4.2
333.0	17 ± 3.2	19 ± 1.7	19 ± 3.2	18 ± 3.8	18 ± 1.5
1000.0	20 ± 0.0	14 ± 0.7	22 ± 5.7	25 ± 2.1	13 ± 4.1
3333.0	5 ± 0.7		11 ± 1.2		9 ± 2.3
6666.0	0 ± 0.0 ^s		10 ± 2.0 ^s		5 ± 1.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			77 ± 5.5	174 ± 22.5	317 ± 27.0
Positive Control ⁵	541 ± 6.9	442 ± 14.4			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	25 ± 6.0
10.0	25 ± 0.3
33.0	17 ± 2.8
100.0	15 ± 1.2
333.0	16 ± 3.8
1000.0	18 ± 1.5
3333.0	
6666.0	
Trial Summary	Negative
Positive Control ²	332 ± 22.7
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: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

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

s: Slight Toxicity

**** END OF REPORT ****