

Experiment Number: A66013

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Cyclohexene oxide

CAS Number: 286-20-4

Date Report Requested: 09/17/2018

Time Report Requested: 13:26:55

NTP Study Number:

A66013

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	103 ± 3.0	126 ± 5.8	146 ± 4.3	128 ± 6.4	119 ± 10.5
33.0	110 ± 7.4				
100.0	103 ± 8.7	128 ± 5.0	139 ± 6.8		122 ± 4.4
166.0		135 ± 7.5			
333.0	129 ± 7.7	144 ± 8.2	132 ± 9.8	137 ± 4.7	127 ± 10.4
666.0		156 ± 5.2		150 ± 8.1	
1000.0	202 ± 11.7	192 ± 7.9	171 ± 13.0	210 ± 8.5	152 ± 5.5
1666.0		262 ± 13.7		245 ± 7.9	
3333.0	228 ± 55.4 ^s	319 ± 9.5	345 ± 23.9	320 ± 10.7	284 ± 11.9
6666.0				453 ± 19.8	
10000.0			452 ± 19.0 ^s	522 ± 21.9 ^s	436 ± 22.9 ^s
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					562 ± 16.6
Positive Control ³	959 ± 5.8	910 ± 17.0			
Positive Control ⁴			817 ± 34.8	407 ± 8.7	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	133 ± 4.3
33.0	
100.0	
166.0	
333.0	138 ± 8.7
666.0	141 ± 2.6
1000.0	162 ± 10.8
1666.0	178 ± 5.5
3333.0	259 ± 18.7
6666.0	370 ± 23.1
10000.0	463 ± 13.4 ^s
Trial Summary	Positive
Positive Control ²	458 ± 20.2
Positive Control ³	
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	15 ± 1.2	19 ± 0.9	23 ± 2.3
33.0	16 ± 1.0		
100.0	20 ± 2.3	17 ± 2.2	18 ± 1.9
333.0	20 ± 2.4	18 ± 0.3	19 ± 0.9
1000.0	15 ± 1.2	18 ± 1.5	16 ± 0.6
3333.0	17 ± 1.0	20 ± 2.6	20 ± 2.6
10000.0		5 ± 1.2 ^s	9 ± 1.5 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ²			424 ± 22.5
Positive Control ⁵	337 ± 25.3		
Positive Control ⁴		407 ± 3.4	

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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

**** END OF REPORT ****