

Experiment Number: 621902

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Dicyclohexylamine nitrite

CAS Number: 3129-91-7

Date Report Requested: 09/10/2018

Time Report Requested: 16:04:35

NTP Study Number:

621902

Study Result:

Positive

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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	146 ± 9.8	137 ± 17.2	170 ± 7.3	160 ± 4.0	153 ± 9.8
100.0	135 ± 7.1	127 ± 9.2	182 ± 6.7	189 ± 8.0	137 ± 1.2
333.0	142 ± 5.6	139 ± 6.7	179 ± 9.8	195 ± 6.8	159 ± 4.6
1000.0	159 ± 1.5	158 ± 6.8	197 ± 6.4	232 ± 7.8	187 ± 18.6
3333.0	178 ± 11.2	178 ± 3.2	232 ± 9.1	200 ± 24.7	213 ± 9.0
10000.0	214 ± 3.2	187 ± 12.5	289 ± 7.5	270 ± 7.3	255 ± 17.7
Trial Summary	Equivocal	Equivocal	Positive	Weakly Positive	Weakly Positive
Positive Control ²	259 ± 11.7	379 ± 15.4			
Positive Control ³			587 ± 8.2	777 ± 12.8	1287 ± 57.8

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	132 ± 4.4
100.0	165 ± 14.3
333.0	174 ± 27.5
1000.0	211 ± 9.8
3333.0	262 ± 12.2
10000.0	288 ± 18.2
Trial Summary	Positive
Positive Control ²	
Positive Control ³	1841 ± 76.4

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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	38 ± 2.9	22 ± 3.9	11 ± 0.9	12 ± 0.0	16 ± 1.2
100.0	36 ± 5.1	22 ± 2.5	13 ± 0.3	11 ± 1.5	13 ± 0.3
333.0	33 ± 4.8	17 ± 1.2	28 ± 7.9	15 ± 1.2	32 ± 10.3
1000.0	55 ± 10.4	55 ± 5.2	51 ± 1.7	39 ± 3.5	43 ± 2.7
3333.0	92 ± 6.0	84 ± 5.0	74 ± 5.2	54 ± 0.6	61 ± 10.7
10000.0	157 ± 10.2	104 ± 6.1	129 ± 14.4	95 ± 14.5	118 ± 20.0
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	168 ± 6.0	383 ± 22.4			
Positive Control ⁴			281 ± 40.2	233 ± 22.2	635 ± 26.5

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 2.0
100.0	14 ± 1.7
333.0	19 ± 3.7
1000.0	52 ± 8.0
3333.0	82 ± 7.0
10000.0	110 ± 11.8
Trial Summary	Positive
Positive Control ²	
Positive Control ⁴	469 ± 18.1

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Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	190 ± 4.9	202 ± 5.7	198 ± 10.7
100.0	204 ± 10.0	218 ± 6.7	210 ± 7.0
333.0	203 ± 3.2	229 ± 6.7	214 ± 5.5
1000.0	184 ± 13.0	253 ± 6.1	231 ± 11.0
3333.0	195 ± 5.2	256 ± 9.1	231 ± 7.3
10000.0	208 ± 6.6	229 ± 4.6	219 ± 8.1
Trial Summary	Negative	Equivocal	Negative
Positive Control ⁴		801 ± 32.5	1098 ± 30.3
Positive Control ⁵	1622 ± 145.8		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	22 ± 3.3	44 ± 3.8	45 ± 3.7
100.0	21 ± 1.5	33 ± 4.4	33 ± 4.5
333.0	21 ± 1.8	36 ± 2.6	33 ± 0.3
1000.0	25 ± 3.8	37 ± 2.6	36 ± 4.1
3333.0	20 ± 2.5	48 ± 4.9	27 ± 0.9
10000.0	13 ± 2.2	30 ± 1.8	26 ± 3.8
Trial Summary	Negative	Negative	Negative
Positive Control ³		344 ± 6.1	838 ± 7.6
Positive Control ⁶	781 ± 39.1		

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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 Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****