

Experiment Number: 226202

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: (Diethylamino)ethanol

CAS Number: 100-37-8

Date Report Requested: 09/14/2018

Time Report Requested: 22:09:36

NTP Study Number:

226202

Study Result:

Negative

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Test Compound: (Diethylamino)ethanol
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Date Report Requested: 09/14/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	179 ± 7.8	194 ± 2.6	159 ± 3.2	162 ± 9.0	231 ± 17.2
33.0	153 ± 4.4	187 ± 10.5	160 ± 5.8	145 ± 7.0	208 ± 3.5
100.0	169 ± 1.9	192 ± 7.7	152 ± 1.3	160 ± 14.3	203 ± 17.0
333.0	157 ± 2.6	178 ± 2.0	149 ± 2.3	153 ± 6.7	224 ± 10.0
1000.0	145 ± 12.3	196 ± 7.5	159 ± 2.3	158 ± 7.8	214 ± 13.2
2500.0		158 ± 7.4 ^s			
3333.0	Toxic		162 ± 11.5 ^s	167 ± 14.1 ^s	215 ± 4.5 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			149 ± 8.1	854 ± 34.4	991 ± 36.5
Positive Control ⁴	1277 ± 24.6	930 ± 54.6			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	183 ± 3.0	218 ± 14.1
33.0	159 ± 2.1	213 ± 0.0
100.0	157 ± 2.5	238 ± 3.3
333.0	152 ± 10.2	236 ± 6.3
1000.0	146 ± 1.5	225 ± 8.4
2500.0		
3333.0	189 ± 4.1 ^s	235 ± 14.7 ^s
Trial Summary	Negative	Negative
Positive Control ²	1060 ± 28.9	983 ± 41.8
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% Rat S9
Vehicle Control ¹	37 ± 1.3	34 ± 2.9	10 ± 1.2	18 ± 3.0	41 ± 5.8
33.0	32 ± 2.3	27 ± 1.2	13 ± 1.2	19 ± 3.8	39 ± 7.1
100.0	27 ± 4.9	20 ± 1.7	13 ± 1.9	16 ± 0.3	26 ± 3.5
333.0	24 ± 1.7	29 ± 3.1	10 ± 0.6	18 ± 3.4	28 ± 2.3
1000.0	31 ± 1.3	24 ± 1.8	12 ± 0.3	18 ± 1.7	23 ± 2.9
2500.0		Toxic			
3333.0	11 ± 1.5 ^s		16 ± 1.9 ^s	18 ± 2.9 ^s	31 ± 2.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			10 ± 1.5	89 ± 2.7	107 ± 8.5
Positive Control ⁴	1007 ± 14.5	1316 ± 14.5			

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Strain: TA1535

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 2.1	10 ± 0.7	31 ± 1.8	13 ± 3.2
33.0	8 ± 1.2	13 ± 1.5	34 ± 1.8	9 ± 2.3
100.0	11 ± 1.5	10 ± 1.5	30 ± 1.2	11 ± 2.3
333.0	10 ± 0.3	13 ± 0.9	28 ± 1.0	11 ± 4.4
1000.0	8 ± 0.9	12 ± 2.6	26 ± 3.7	9 ± 2.2
2500.0				
3333.0	12 ± 4.2 ^s	17 ± 1.8 ^s	28 ± 3.0 ^s	18 ± 3.4 ^s
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²		87 ± 5.3	109 ± 5.5	64 ± 8.7
Positive Control ³	108 ± 5.5			
Positive Control ⁴				

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Test Compound: (Diethylamino)ethanol

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	7 ± 0.7	6 ± 0.6	7 ± 1.2	8 ± 1.5	10 ± 1.7
33.0	7 ± 0.7	5 ± 1.2	6 ± 1.3	8 ± 0.7	13 ± 2.0
100.0	8 ± 1.0	6 ± 0.6	8 ± 2.2	6 ± 0.9	9 ± 2.0
333.0	6 ± 0.7	6 ± 0.3	5 ± 0.7	10 ± 1.2	9 ± 1.2
1000.0	7 ± 2.6	6 ± 1.5	4 ± 0.6	9 ± 1.5	8 ± 0.7
2500.0		5 ± 0.6 ^s			
3333.0	Toxic		7 ± 0.7 ^s	8 ± 1.5	8 ± 0.7 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			7 ± 1.2	64 ± 4.1	91 ± 3.6
Positive Control ⁵	324 ± 53.8	344 ± 17.7			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.6	7 ± 0.7
33.0	8 ± 0.7	11 ± 1.8
100.0	6 ± 1.7	7 ± 0.3
333.0	6 ± 0.3	7 ± 1.7
1000.0	5 ± 1.2	8 ± 1.2
2500.0		
3333.0	8 ± 1.5 ^s	6 ± 1.5 ^s
Trial Summary	Negative	Negative
Positive Control ²	93 ± 4.1	83 ± 2.3
Positive Control ³		
Positive Control ⁵		

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G06: Ames Summary Data

Test Compound: (Diethylamino)ethanol

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	23 ± 1.7	23 ± 0.6	33 ± 4.0	27 ± 3.8	27 ± 0.7
33.0	25 ± 2.7	19 ± 1.2	29 ± 3.1	26 ± 0.6	24 ± 2.2
100.0	28 ± 4.1	20 ± 2.6	34 ± 3.2	30 ± 3.1	30 ± 1.5
333.0	27 ± 2.0	20 ± 3.5	24 ± 2.4	24 ± 3.8	35 ± 1.5
1000.0	23 ± 3.8	21 ± 2.6	28 ± 2.1	24 ± 1.5	29 ± 1.0
2500.0		12 ± 0.9 ^s			
3333.0	Toxic		27 ± 3.6 ^s	24 ± 1.0 ^s	25 ± 5.4 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			38 ± 3.8	327 ± 13.5	560 ± 23.5
Positive Control ⁶	1595 ± 56.7	1673 ± 40.0			

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Test Compound: (Diethylamino)ethanol
CAS Number: 100-37-8

Date Report Requested: 09/14/2018

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	42 ± 1.5	30 ± 1.7
33.0	29 ± 4.7	31 ± 2.1
100.0	33 ± 4.1	28 ± 3.2
333.0	41 ± 3.8	28 ± 2.1
1000.0	33 ± 4.6	33 ± 5.5
2500.0		
3333.0	24 ± 2.3 ^s	21 ± 1.2 ^s
Trial Summary	Negative	Negative
Positive Control ²	949 ± 32.5	700 ± 7.1
Positive Control ³		
Positive Control ⁶		

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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 ****