

Experiment Number: 611765

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N-Ethyl-4-methylbenzenesulfonamide

CAS Number: 80-39-7

Date Report Requested: 09/15/2018

Time Report Requested: 01:42:49

NTP Study Number:

611765

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	151 ± 17.6	138 ± 13.1	123 ± 5.3	167 ± 6.4	109 ± 10.7
33.0	159 ± 17.4	139 ± 4.4	124 ± 15.6		
100.0	153 ± 9.3	150 ± 2.3	116 ± 9.5	162 ± 7.2	116 ± 10.4
333.0	174 ± 5.8	135 ± 4.4	109 ± 7.8	156 ± 4.2	120 ± 3.1
1000.0	180 ± 9.0	136 ± 6.2	122 ± 16.9	158 ± 12.1	102 ± 11.1
1666.0		142 ± 17.3			
3333.0	0 ± 0.0 ^s		78 ± 3.5 ^s	142 ± 11.2	112 ± 0.6
6666.0				116 ± 14.2	61 ± 2.4 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					446 ± 32.1
Positive Control ³			426 ± 29.8		
Positive Control ⁴	553 ± 25.5	434 ± 18.5			
Positive Control ⁵				545 ± 18.5	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	178 ± 5.8
33.0	
100.0	164 ± 3.5
333.0	163 ± 7.2
1000.0	149 ± 4.9
1666.0	
3333.0	136 ± 13.9
6666.0	128 ± 10.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	624 ± 30.8
Positive Control ⁴	
Positive Control ⁵	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	13 ± 2.5	36 ± 1.3	11 ± 1.5	10 ± 1.3	12 ± 3.6
33.0	17 ± 3.0	23 ± 2.5	7 ± 2.3		
100.0	15 ± 3.0	29 ± 3.8	10 ± 1.2	13 ± 2.1	10 ± 2.0
333.0	14 ± 2.1	31 ± 0.0	12 ± 2.2	10 ± 0.6	10 ± 0.9
1000.0	13 ± 2.5	43 ± 0.9	12 ± 1.5	8 ± 1.2	10 ± 2.6
1666.0		51 ± 4.6			
3333.0	1 ± 0.6 ^s		6 ± 1.2	5 ± 1.9	8 ± 2.8
6666.0				4 ± 0.3	3 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					142 ± 8.5
Positive Control ⁴	308 ± 12.7	416 ± 20.2			
Positive Control ⁶			156 ± 17.8		
Positive Control ⁷				122 ± 8.7	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 1.5
33.0	
100.0	10 ± 0.3
333.0	12 ± 1.3
1000.0	11 ± 1.2
1666.0	
3333.0	6 ± 0.7
6666.0	6 ± 0.3
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁶	335 ± 13.6
Positive Control ⁷	

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CAS Number: 80-39-7

Date Report Requested: 09/15/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	7 ± 0.9	7 ± 1.0	13 ± 1.5
33.0	7 ± 0.7		
100.0	7 ± 0.6	8 ± 1.8	12 ± 1.5
333.0	8 ± 2.0	8 ± 0.7	8 ± 1.7
1000.0	7 ± 1.2	9 ± 1.8	13 ± 0.3
3333.0	0 ± 0.0 ^s	4 ± 0.6	5 ± 1.8
6666.0		1 ± 0.7 ^s	1 ± 1.3
Trial Summary	Negative	Negative	Negative
Positive Control ³			26 ± 0.6
Positive Control ⁶		62 ± 5.8	
Positive Control ⁸	284 ± 17.6		

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	153 ± 8.4	134 ± 4.2	156 ± 16.2	181 ± 5.6	150 ± 13.0
33.0	150 ± 6.1	169 ± 12.9	195 ± 6.0		192 ± 6.7
100.0	182 ± 8.5	155 ± 5.0	184 ± 0.9	205 ± 2.0	173 ± 4.1
333.0	137 ± 6.5	179 ± 2.0	189 ± 4.6	207 ± 4.0	184 ± 3.8
1000.0	128 ± 6.6	171 ± 7.7	166 ± 6.9	181 ± 8.2	187 ± 2.3
1666.0		138 ± 13.9 ^s			
3333.0	Toxic		20 ± 3.0 ^s	99 ± 10.7	139 ± 2.3
6666.0				16 ± 1.9 ^s	
Trial Summary	Negative	Equivocal	Negative	Negative	Negative
Positive Control ²					374 ± 33.2
Positive Control ³			301 ± 19.1		
Positive Control ⁶				430 ± 28.0	
Positive Control ⁸	540 ± 22.9	439 ± 32.9			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	156 ± 24.1
33.0	
100.0	138 ± 13.6
333.0	153 ± 21.4
1000.0	138 ± 33.2
1666.0	
3333.0	80 ± 9.9 ^s
6666.0	8 ± 1.5 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	369 ± 14.6
Positive Control ⁶	
Positive Control ⁸	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	25 ± 2.5	20 ± 3.2	28 ± 2.3	28 ± 6.0	36 ± 0.3
33.0	18 ± 4.9	23 ± 1.8	27 ± 1.5		
100.0	13 ± 2.1	17 ± 2.4	29 ± 3.5	31 ± 1.9	35 ± 3.5
333.0	19 ± 4.0	18 ± 4.4	28 ± 4.6	31 ± 1.0	36 ± 4.1
1000.0	20 ± 4.1	12 ± 2.1	19 ± 1.8	25 ± 2.7	27 ± 2.8
1666.0		12 ± 0.9			
3333.0	Toxic		11 ± 0.9	19 ± 1.5	16 ± 1.5
6666.0				16 ± 4.9	11 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					470 ± 40.9
Positive Control ³			335 ± 20.2	94 ± 4.2	
Positive Control ⁹	554 ± 7.3	575 ± 17.6			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	36 ± 3.7
33.0	
100.0	27 ± 3.8
333.0	28 ± 0.9
1000.0	23 ± 3.3
1666.0	
3333.0	22 ± 2.9
6666.0	24 ± 3.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	258 ± 6.2
Positive Control ⁹	

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.0 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate 2-Aminoanthracene

7: 5.0 ug/Plate 2-Aminoanthracene

8: 50.0 ug/Plate 9-Aminoacridine

9: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****