

Experiment Number: 468567

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Methylsilatrane

CAS Number: 2288-13-3

Date Report Requested: 09/11/2018

Time Report Requested: 10:47:20

NTP Study Number:

468567

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	148 ± 7.9	137 ± 7.2	181 ± 9.1	145 ± 5.9	168 ± 4.5
100.0	130 ± 9.4	149 ± 5.5	158 ± 3.5	151 ± 8.8	165 ± 2.6
333.0	147 ± 13.3	157 ± 3.0	156 ± 5.0	162 ± 11.3	182 ± 4.5
1000.0	137 ± 14.4	158 ± 1.5	169 ± 10.5	129 ± 14.3	160 ± 11.8
3333.0	146 ± 4.4	139 ± 17.1	162 ± 8.1	126 ± 5.2	152 ± 7.0
10000.0	146 ± 9.8	162 ± 1.5	163 ± 8.1	128 ± 3.5	181 ± 10.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					478 ± 19.0
Positive Control ³			438 ± 27.5		
Positive Control ⁴				432 ± 64.1	
Positive Control ⁵	896 ± 6.5	923 ± 32.7			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	146 ± 8.3
100.0	151 ± 8.8
333.0	135 ± 8.0
1000.0	137 ± 15.3
3333.0	158 ± 2.5
10000.0	149 ± 5.6
Trial Summary	Negative
Positive Control ²	
Positive Control ³	730 ± 19.5
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	18 ± 2.0	13 ± 0.3	14 ± 1.2	20 ± 1.0	8 ± 0.6
100.0	16 ± 1.2	15 ± 3.2	9 ± 0.3	18 ± 2.1	9 ± 0.6
333.0	19 ± 1.2	12 ± 1.5	9 ± 1.5	17 ± 1.0	9 ± 0.9
1000.0	16 ± 0.3	12 ± 1.5	8 ± 0.9	19 ± 3.0	6 ± 1.0
3333.0	18 ± 1.5	9 ± 0.3	8 ± 0.6	14 ± 0.9	6 ± 0.3
10000.0	17 ± 1.5	9 ± 0.7	9 ± 0.3	17 ± 3.7	8 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					116 ± 9.0
Positive Control ⁴			92 ± 3.2		
Positive Control ⁵	957 ± 28.7	1088 ± 5.6			
Positive Control ⁶				123 ± 4.0	

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Test Compound: Methylsilatrane
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	17 ± 1.2
100.0	18 ± 0.9
333.0	19 ± 3.7
1000.0	18 ± 4.8
3333.0	16 ± 1.9
10000.0	14 ± 0.9
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	524 ± 46.3
Positive Control ⁵	
Positive Control 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	148 ± 4.1	102 ± 2.6	145 ± 6.1	163 ± 6.2	129 ± 4.7
100.0	162 ± 8.7	118 ± 9.2	124 ± 5.5	131 ± 3.3	130 ± 1.9
333.0	166 ± 8.3	107 ± 14.0	165 ± 7.4	134 ± 10.2	142 ± 17.7
1000.0	139 ± 21.8	140 ± 7.7	165 ± 4.5	158 ± 23.9	156 ± 20.8
3333.0	135 ± 20.2	116 ± 5.0	170 ± 2.9	163 ± 8.1	152 ± 7.1
10000.0	147 ± 21.3	109 ± 6.7	159 ± 6.0	132 ± 7.0	152 ± 5.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					351 ± 4.7
Positive Control ³			322 ± 20.3		
Positive Control ⁴				390 ± 11.1	
Positive Control ⁷	361 ± 15.9	306 ± 7.0			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	129 ± 11.8
100.0	122 ± 2.7
333.0	121 ± 4.5
1000.0	127 ± 4.0
3333.0	139 ± 9.5
10000.0	128 ± 8.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	500 ± 10.7
Positive Control ⁴	
Positive Control ⁷	

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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	27 ± 1.8	19 ± 0.7	27 ± 2.5	28 ± 3.4	29 ± 1.5
100.0	20 ± 4.4	23 ± 2.7	27 ± 2.2	17 ± 4.6	26 ± 2.8
333.0	18 ± 4.3	20 ± 0.7	23 ± 3.7	27 ± 5.8	24 ± 2.4
1000.0	27 ± 2.1	19 ± 2.1	23 ± 3.6	23 ± 2.0	22 ± 1.2
3333.0	17 ± 1.5	17 ± 1.5	21 ± 3.8	25 ± 5.5	23 ± 1.0
10000.0	23 ± 5.0	18 ± 1.9	24 ± 2.6	26 ± 1.3	24 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					138 ± 15.1
Positive Control ³			94 ± 4.0		
Positive Control ⁸	364 ± 25.9	338 ± 10.4			
Positive Control ⁴				120 ± 11.2	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	28 ± 4.0
100.0	26 ± 5.5
333.0	22 ± 4.0
1000.0	19 ± 3.4
3333.0	20 ± 3.5
10000.0	19 ± 3.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	233 ± 17.3
Positive Control ⁸	
Positive Control 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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **