

Experiment Number: **446046**

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data

Test Compound: **o,o-Diethyl S-(((1,1-dimethylethyl)thio)methyl)phosphorodithioate**

CAS Number: **13071-79-9**

Date Report Requested: **09/10/2018**

Time Report Requested: **22:12:19**

NTP Study Number:

446046

Study Result:

Negative

Experiment Number: 446046

G06: Ames Summary Data

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MutagenicityTest Compound: o,o-Diethyl S-(((1,1-dimethylethyl)thio)methyl)phosphorodithioate
CAS Number: 13071-79-9

Time Report Requested: 22:12:19

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	114 ± 6.7	107 ± 11.3	121 ± 4.0	109 ± 7.8	122 ± 9.5
100.0	120 ± 5.7	113 ± 13.1	118 ± 2.9	108 ± 3.4	146 ± 12.6
333.0	126 ± 4.4	100 ± 9.7	126 ± 5.5	112 ± 1.2	140 ± 11.1
1000.0	131 ± 7.2	95 ± 10.3	147 ± 7.2	108 ± 5.0	140 ± 12.6
3333.0	119 ± 7.2	98 ± 6.8	146 ± 5.5	103 ± 3.8	151 ± 7.2
10000.0	124 ± 7.6	116 ± 19.9	156 ± 9.8	100 ± 4.3	127 ± 11.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	424 ± 22.0	413 ± 2.7			
Positive Control ³			464 ± 11.5	359 ± 4.2	1412 ± 49.8

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	98 ± 7.0
100.0	105 ± 1.7
333.0	101 ± 5.8
1000.0	83 ± 11.3
3333.0	94 ± 3.2
10000.0	77 ± 6.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1072 ± 24.5

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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	25 ± 0.3	26 ± 1.0	7 ± 1.5	10 ± 1.7	13 ± 3.0
100.0	20 ± 1.5	25 ± 2.6	9 ± 0.7	11 ± 4.2	21 ± 0.7
333.0	17 ± 3.3	32 ± 3.9	6 ± 1.2	10 ± 1.7	23 ± 3.8
1000.0	20 ± 1.3	32 ± 2.9	11 ± 1.9	11 ± 1.9	26 ± 4.7
3333.0	23 ± 3.7	37 ± 5.5	11 ± 1.0	7 ± 2.5	22 ± 0.9
10000.0	26 ± 2.3	31 ± 6.2	11 ± 2.8	9 ± 1.8	16 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					
Positive Control ²	395 ± 13.6	481 ± 11.8			
Positive Control ⁴			149 ± 6.7	162 ± 11.0	504 ± 29.3

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Test Type: Genetic Toxicology - Bacterial
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Test Compound: o,o-Diethyl S-(((1,1-dimethylethyl)thio)methyl)phosphorodithioate
CAS Number: 13071-79-9

Time Report Requested: 22:12:19

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.2
100.0	13 ± 2.6
333.0	7 ± 0.3
1000.0	11 ± 1.8
3333.0	7 ± 0.9
10000.0	9 ± 2.3
Trial Summary	Negative
Positive Control ³	416 ± 15.9
Positive Control ²	
Positive Control ⁴	

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.2	4 ± 1.5	9 ± 2.0	6 ± 0.6	8 ± 2.3
100.0	7 ± 0.6	5 ± 0.7	7 ± 1.5	9 ± 1.7	18 ± 1.0
333.0	6 ± 1.3	4 ± 1.5	7 ± 0.9	6 ± 0.6	22 ± 2.7
1000.0	9 ± 1.2	4 ± 0.3	8 ± 3.5	6 ± 1.7	16 ± 2.2
3333.0	8 ± 2.6	8 ± 0.9	7 ± 1.5	11 ± 2.3	20 ± 1.9
10000.0	7 ± 1.2	6 ± 1.2	6 ± 0.9	10 ± 1.7	18 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			174 ± 8.1	111 ± 6.8	357 ± 24.3
Positive Control ⁵	106 ± 12.5	154 ± 8.4			

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CAS Number: 13071-79-9

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.3
100.0	6 ± 0.9
333.0	6 ± 1.8
1000.0	4 ± 0.7
3333.0	6 ± 1.2
10000.0	10 ± 3.3
Trial Summary	Negative
Positive Control ⁴	433 ± 16.1
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 3.8	16 ± 0.7	34 ± 5.8	29 ± 1.0	29 ± 4.4
100.0	15 ± 0.6	19 ± 1.2	32 ± 1.5	34 ± 2.7	42 ± 6.1
333.0	15 ± 1.2	21 ± 2.3	32 ± 2.5	24 ± 5.2	48 ± 2.7
1000.0	20 ± 1.5	18 ± 1.5	31 ± 1.7	31 ± 7.5	49 ± 1.2
3333.0	16 ± 1.5	20 ± 3.2	25 ± 0.0	26 ± 3.2	44 ± 3.5
10000.0	13 ± 1.9	14 ± 3.5	32 ± 5.3	23 ± 2.7	45 ± 3.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			319 ± 17.2	333 ± 13.9	1474 ± 19.1
Positive Control ⁶	841 ± 8.3	688 ± 18.1			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	23 ± 3.2
100.0	28 ± 1.5
333.0	28 ± 4.3
1000.0	29 ± 2.4
3333.0	26 ± 0.0
10000.0	22 ± 4.6
Trial Summary	Negative
Positive Control ³	1308 ± 39.0
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: Dimethyl Sulfoxide

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 ****