

Experiment Number: 559532

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

G06: Ames Summary Data

Test Compound: **Di(n-octyl)tin-S,S'-bis(isooctylmercaptoacetate)**

CAS Number: **26401-97-8**

Date Report Requested: **09/13/2018**

Time Report Requested: **22:21:26**

NTP Study Number:

559532

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	128 ± 2.4	111 ± 3.9	99 ± 7.1	140 ± 3.7	129 ± 6.2
100.0	113 ± 8.1	101 ± 17.5		134 ± 5.2	114 ± 2.4
333.0	121 ± 3.5	120 ± 12.0		135 ± 3.3	121 ± 11.2
1000.0	102 ± 6.2	158 ± 6.9	140 ± 24.9	139 ± 11.0	117 ± 6.0
1666.0			254 ± 4.2		
3333.0	154 ± 6.0	322 ± 2.2 ^x	321 ± 9.3	144 ± 9.1	119 ± 2.7
6666.0			351 ± 12.4		
10000.0	155 ± 4.0	309 ± 17.5 ^x	405 ± 14.5	151 ± 2.9	129 ± 9.2
Trial Summary	Equivocal	Positive	Positive	Negative	Negative
Positive Control ²				711 ± 43.7	752 ± 39.9
Positive Control ³	517 ± 12.0	625 ± 16.8	432 ± 19.4		

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	125 ± 6.9	112 ± 5.2
100.0	138 ± 4.3	130 ± 3.5
333.0	134 ± 15.9	118 ± 2.8
1000.0	117 ± 2.3	117 ± 5.7
1666.0		
3333.0	137 ± 6.5	124 ± 6.6
6666.0		
10000.0	143 ± 8.5	114 ± 7.1
Trial Summary	Negative	Negative
Positive Control ²	1538 ± 87.1	1999 ± 81.6
Positive Control ³		

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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	16 ± 0.3	26 ± 3.0	12 ± 1.5	19 ± 0.9	10 ± 1.5
100.0	17 ± 1.0	20 ± 3.2	9 ± 2.1	14 ± 1.0	10 ± 1.5
333.0	14 ± 4.6	18 ± 2.1	10 ± 1.2	15 ± 1.5	8 ± 2.1
1000.0	16 ± 0.6	20 ± 7.2	10 ± 0.7	16 ± 0.6	10 ± 1.2
3333.0	15 ± 2.7	17 ± 3.4	10 ± 0.9	18 ± 1.0	11 ± 2.4
10000.0	15 ± 2.3	13 ± 0.7	9 ± 1.5	19 ± 2.7	10 ± 2.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	550 ± 26.7	694 ± 8.6			
Positive Control ⁴			239 ± 9.4	488 ± 24.2	443 ± 10.9

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	6 ± 0.9
100.0	8 ± 1.2
333.0	6 ± 1.8
1000.0	6 ± 1.5
3333.0	6 ± 1.0
10000.0	8 ± 0.6
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	859 ± 54.2

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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	131 ± 10.3	144 ± 8.0	195 ± 10.8	197 ± 2.9	192 ± 4.6
100.0	165 ± 9.8	146 ± 8.7	190 ± 3.9	201 ± 17.0	194 ± 10.2
333.0	149 ± 5.8	144 ± 3.5	162 ± 24.0	207 ± 14.9	191 ± 4.5
1000.0	146 ± 9.4	158 ± 5.7	162 ± 4.4	191 ± 26.2	195 ± 5.5
3333.0	167 ± 6.0	161 ± 8.2	182 ± 13.2	199 ± 14.2	211 ± 6.1
10000.0	178 ± 9.0	135 ± 14.5	181 ± 3.8	209 ± 9.5	204 ± 7.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			1208 ± 87.5	1299 ± 23.9	1540 ± 101.9
Positive Control ⁵	1417 ± 158.9	878 ± 168.1			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	159 ± 5.4
100.0	158 ± 5.0
333.0	149 ± 4.3
1000.0	159 ± 7.6
3333.0	169 ± 4.0
10000.0	161 ± 11.8
Trial Summary	Negative
Positive Control ⁴	886 ± 11.5
Positive Control ⁵	

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CAS Number: 26401-97-8

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 1.7	14 ± 1.3	30 ± 2.6	28 ± 2.0	31 ± 3.5
100.0	16 ± 2.6	14 ± 0.3	35 ± 2.8	27 ± 4.3	30 ± 4.0
333.0	15 ± 1.3	17 ± 2.3	30 ± 1.9	28 ± 1.5	29 ± 1.8
1000.0	16 ± 3.2	16 ± 1.2	29 ± 2.3	32 ± 4.2	28 ± 4.9
3333.0	17 ± 0.3	13 ± 2.3	28 ± 2.4	23 ± 5.8	23 ± 3.8
10000.0	17 ± 1.5	18 ± 1.0	37 ± 4.7	25 ± 2.2	27 ± 3.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			380 ± 17.2	651 ± 65.6	1283 ± 129.8
Positive Control ⁶	1266 ± 101.0	1445 ± 124.7			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	24 ± 2.3
100.0	28 ± 2.3
333.0	23 ± 3.4
1000.0	24 ± 2.5
3333.0	27 ± 0.6
10000.0	28 ± 1.0
Trial Summary	Negative
Positive Control ²	1690 ± 76.7
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 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

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

x: Slight Toxicity and Precipitate

**** END OF REPORT ****