

Experiment Number: 031782

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

G06: Ames Summary Data

Test Compound: **Dibutyltin-bis(laurylmercaptide)**

CAS Number: 1185-81-5

Date Report Requested: **09/14/2018**

Time Report Requested: **19:26:16**

NTP Study Number:

031782

Study Result:

Negative

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Test Compound: Dibutyltin-bis(laurylmercaptide)

CAS Number: 1185-81-5

Date Report Requested: 09/14/2018

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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	112 ± 6.2	114 ± 12.2	126 ± 12.4	98 ± 4.9	121 ± 2.8
0.1	113 ± 5.0		137 ± 2.2		133 ± 9.8
0.3	107 ± 3.5	125 ± 10.2	126 ± 15.9	107 ± 8.8	151 ± 5.5
1.0	126 ± 8.8	105 ± 12.7	125 ± 8.0	106 ± 2.5	156 ± 3.2
3.0	105 ± 7.0	110 ± 2.2	115 ± 4.9	105 ± 2.6	135 ± 22.2
10.0	101 ± 10.7	106 ± 18.6	80 ± 12.3	110 ± 13.7	132 ± 11.9
16.0		71 ± 6.8		107 ± 8.7	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1526 ± 50.5	613 ± 34.7	1350 ± 37.0
Positive Control ³	587 ± 8.2	334 ± 19.3			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	136 ± 15.8
0.1	
0.3	129 ± 2.2
1.0	120 ± 18.0
3.0	118 ± 9.5
10.0	148 ± 11.3
16.0	142 ± 6.4
Trial Summary	Negative
Positive Control ²	366 ± 33.8
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	27 ± 2.3	28 ± 1.7	9 ± 0.3	14 ± 0.9	15 ± 0.9
0.1	23 ± 2.7		11 ± 2.2		11 ± 3.4
0.3	27 ± 5.8	21 ± 4.4	9 ± 2.2	12 ± 1.7	5 ± 0.3
1.0	28 ± 2.3	22 ± 1.2	8 ± 0.6	11 ± 2.4	7 ± 1.3
3.0	22 ± 3.2	15 ± 0.3	8 ± 2.5	14 ± 4.1	7 ± 0.6
10.0	16 ± 0.6	6 ± 1.2	8 ± 3.5	14 ± 1.5	6 ± 1.2
16.0		5 ± 0.3		12 ± 0.9	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	168 ± 6.0	336 ± 20.0			
Positive Control ⁴			471 ± 23.9	195 ± 8.5	680 ± 75.7

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	13 ± 3.2
0.1	
0.3	8 ± 2.8
1.0	8 ± 2.3
3.0	11 ± 1.2
10.0	7 ± 2.8
16.0	10 ± 2.5
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	427 ± 63.5

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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	129 ± 10.8	183 ± 5.9	165 ± 3.8	201 ± 16.3	169 ± 10.6
0.1		184 ± 9.2	194 ± 7.3		179 ± 12.8
0.3	146 ± 5.3	196 ± 6.1	172 ± 14.4	229 ± 0.9	191 ± 4.8
1.0	162 ± 19.2	174 ± 14.4	179 ± 13.5	223 ± 4.1	182 ± 12.7
3.0	152 ± 0.7	168 ± 4.3	174 ± 13.3	218 ± 2.8	184 ± 9.0
10.0	143 ± 3.3	173 ± 5.3	156 ± 15.0	226 ± 3.1	187 ± 16.8
16.0	113 ± 20.8			216 ± 4.9	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			1755 ± 20.6	530 ± 24.3	1531 ± 79.7
Positive Control ⁵	580 ± 82.8	1226 ± 66.3			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	210 ± 11.7
0.1	
0.3	219 ± 13.1
1.0	205 ± 4.8
3.0	222 ± 12.4
10.0	225 ± 9.0
16.0	235 ± 12.9
Trial Summary	Negative
Positive Control ⁴	613 ± 37.4
Positive Control ⁵	

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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	15 ± 1.3	20 ± 2.7	41 ± 2.4	29 ± 5.2	37 ± 2.7
0.1	19 ± 3.2		34 ± 4.3		29 ± 2.1
0.3	23 ± 1.3	17 ± 1.5	38 ± 12.3	22 ± 1.7	30 ± 4.1
1.0	21 ± 2.0	17 ± 1.3	37 ± 11.5	30 ± 5.5	30 ± 3.3
3.0	15 ± 0.9	20 ± 2.4	41 ± 2.0	30 ± 3.7	40 ± 5.3
10.0	16 ± 0.9	18 ± 0.6	26 ± 2.8	31 ± 3.0	30 ± 1.5
16.0		15 ± 1.2		32 ± 5.8	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1107 ± 49.2	358 ± 22.5	1184 ± 88.6
Positive Control ⁶	781 ± 39.1	555 ± 36.7			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	23 ± 3.6
0.1	
0.3	28 ± 3.5
1.0	33 ± 4.8
3.0	23 ± 1.9
10.0	26 ± 4.1
16.0	26 ± 4.2
Trial Summary	Negative
Positive Control ²	130 ± 15.8
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

**** END OF REPORT ****