

Experiment Number: 498130

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

G06: Ames Summary Data

Test Compound: **bis(Tributyltin)oxide**

CAS Number: 56-35-9

Date Report Requested: **09/12/2018**

Time Report Requested: **04:44:03**

NTP Study Number:

498130

Study Result:

Negative

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G06: Ames Summary Data

Test Compound: bis(Tributyltin)oxide

CAS Number: 56-35-9

Date Report Requested: 09/12/2018

Time Report Requested: 04:44:03

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	136 ± 7.0	104 ± 3.5	136 ± 4.9	97 ± 4.5	119 ± 8.4
0.01	121 ± 2.7	91 ± 5.2			
0.03	125 ± 3.9	89 ± 6.9			
0.1	123 ± 5.8	100 ± 4.3			
0.3	126 ± 3.5	95 ± 8.0 ^s	118 ± 6.1	102 ± 8.1	102 ± 2.9
1.0	57 ± 4.1 ^s	60 ± 2.6 ^s	113 ± 7.1	102 ± 1.9	108 ± 4.5
3.3			129 ± 7.0	121 ± 6.1	131 ± 13.3
10.0			116 ± 4.1	114 ± 4.2	123 ± 4.4
20.0			84 ± 3.9	117 ± 9.0	95 ± 7.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1158 ± 19.6
Positive Control ³			2133 ± 19.3		
Positive Control ⁴				502 ± 29.7	
Positive Control ⁵	1551 ± 52.3	1111 ± 24.0			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	100 ± 3.4
0.01	
0.03	
0.1	
0.3	99 ± 6.6
1.0	105 ± 3.2
3.3	112 ± 3.8
10.0	123 ± 4.8
20.0	124 ± 3.6
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	814 ± 24.9
Positive Control ⁵	

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Test Compound: bis(Tributyltin)oxide

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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	41 ± 4.4	26 ± 2.6	34 ± 7.7	25 ± 5.9	35 ± 2.6
0.01	28 ± 2.5	26 ± 3.0			
0.03	40 ± 3.2	25 ± 1.5			
0.1	37 ± 1.9	24 ± 0.3			
0.3	35 ± 2.8	20 ± 3.3 ^s	33 ± 7.0	21 ± 2.1	30 ± 3.8
1.0	24 ± 4.7 ^s	10 ± 1.8 ^s	34 ± 5.7	21 ± 3.5	25 ± 4.1
3.3			28 ± 1.5	25 ± 3.6	30 ± 2.7
10.0			25 ± 2.7	26 ± 0.7	27 ± 2.1
20.0			15 ± 1.2	19 ± 2.3	17 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					138 ± 3.2
Positive Control ³			179 ± 13.1		
Positive Control ⁴				125 ± 8.5	
Positive Control ⁵	1050 ± 17.7	927 ± 35.4			

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G06: Ames Summary Data

Test Compound: bis(Tributyltin)oxide

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Date Report Requested: 09/12/2018

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	26 ± 3.5
0.01	
0.03	
0.1	
0.3	23 ± 3.0
1.0	24 ± 2.8
3.3	27 ± 1.5
10.0	23 ± 1.2
20.0	17 ± 2.6
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	241 ± 13.9
Positive Control ⁵	

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Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data

Test Compound: bis(Tributyltin)oxide

CAS Number: 56-35-9

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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	110 ± 7.4	88 ± 7.1	143 ± 11.9	175 ± 1.0	114 ± 6.0
0.01	91 ± 10.2	106 ± 3.0			
0.03	57 ± 7.5	91 ± 5.8			
0.1	100 ± 8.8	110 ± 1.3			
0.3	83 ± 3.8	84 ± 3.5 ^s	140 ± 9.9	175 ± 12.9	134 ± 6.4
1.0	76 ± 4.1 ^s	69 ± 16.8 ^s	131 ± 9.2	167 ± 6.0	129 ± 6.9
3.3			150 ± 4.0	152 ± 2.6	140 ± 3.3
10.0			135 ± 2.3	167 ± 11.5	145 ± 9.8
20.0			45 ± 10.4 ^s	173 ± 6.2	94 ± 15.4 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1513 ± 43.0
Positive Control ³			1427 ± 25.5		
Positive Control ⁴				464 ± 10.4	
Positive Control ⁶	802 ± 26.6	989 ± 51.2			

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Test Compound: bis(Tributyltin)oxide

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	116 ± 4.9
0.01	
0.03	
0.1	
0.3	111 ± 9.5
1.0	119 ± 6.6
3.3	122 ± 5.0
10.0	132 ± 5.4
20.0	111 ± 7.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	849 ± 15.1
Positive Control ⁶	

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Test Compound: bis(Tributyltin)oxide

CAS Number: 56-35-9

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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	32 ± 2.8	29 ± 3.7	45 ± 5.5	36 ± 4.6	45 ± 6.7
0.01	34 ± 6.0	27 ± 2.2			
0.03	35 ± 3.4	30 ± 2.1			
0.1	28 ± 3.5	28 ± 3.7			
0.3	30 ± 3.4	27 ± 2.3	52 ± 4.5	45 ± 2.9	41 ± 3.1
1.0	28 ± 4.6 ^s	16 ± 1.2 ^s	37 ± 2.2	37 ± 5.9	36 ± 1.3
3.3			44 ± 3.5	38 ± 3.8	49 ± 3.8
10.0			43 ± 2.4	36 ± 5.7	44 ± 4.7
20.0			40 ± 2.7	37 ± 1.2	44 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1315 ± 28.5
Positive Control ³			2158 ± 36.8		
Positive Control ⁴				439 ± 12.7	
Positive Control ⁷	1996 ± 74.7	1458 ± 50.0			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	36 ± 4.5
0.01	
0.03	
0.1	
0.3	38 ± 4.5
1.0	41 ± 3.2
3.3	43 ± 3.0
10.0	43 ± 2.3
20.0	45 ± 4.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	984 ± 22.1
Positive Control ⁷	

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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: 95% Ethanol

2: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate Sodium Azide

6: 4.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****