

Experiment Number: 684705

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Butyltin-tris(isooctylmercaptoacetate)

CAS Number: 25852-70-4

Date Report Requested: 09/13/2018

Time Report Requested: 01:27:14

NTP Study Number:

684705

Study Result:

Negative

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Test Compound: Butyltin-tris(isooctylmercaptoacetate)

CAS Number: 25852-70-4

Date Report Requested: 09/13/2018

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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	143 ± 2.3	151 ± 8.5	164 ± 11.2	152 ± 11.2	146 ± 5.5
33.0		155 ± 6.0			
100.0	157 ± 10.9	157 ± 7.0	178 ± 6.7	153 ± 10.1	162 ± 2.3
333.0	163 ± 3.4	147 ± 8.2	172 ± 2.6	154 ± 3.5	152 ± 3.2
1000.0	130 ± 5.5	150 ± 6.4	168 ± 2.8	141 ± 15.4	145 ± 9.9
3333.0	118 ± 6.9	122 ± 8.1	169 ± 4.0	124 ± 15.2	116 ± 4.7
6666.0	86 ± 13.8 ^s				
10000.0			144 ± 10.3 ^p	80 ± 8.4 ^x	104 ± 7.5 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			479 ± 7.5	311 ± 13.9	1135 ± 23.2
Positive Control ³	373 ± 19.7	425 ± 17.1			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	153 ± 5.8
33.0	
100.0	129 ± 11.9
333.0	150 ± 14.7
1000.0	131 ± 14.9
3333.0	105 ± 9.5
6666.0	
10000.0	52 ± 12.9 ^x
Trial Summary	Negative
Positive Control ²	792 ± 7.1
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	30 ± 1.5	19 ± 1.7	11 ± 0.3	16 ± 0.6	10 ± 3.2
33.0		16 ± 0.6			
100.0	20 ± 5.0	15 ± 2.9	8 ± 0.9	11 ± 1.7	8 ± 0.9
333.0	16 ± 3.1	13 ± 0.6	9 ± 1.5	19 ± 1.5	9 ± 0.3
1000.0	18 ± 1.2	7 ± 0.6	11 ± 1.7	12 ± 1.5	8 ± 1.3
3333.0	11 ± 1.7	3 ± 1.2	9 ± 0.3	12 ± 3.1	7 ± 2.7
6666.0	3 ± 0.3 ^s				
10000.0			3 ± 1.5 ^p	11 ± 2.1 ^p	8 ± 0.9 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	353 ± 12.7	473 ± 30.2			
Positive Control ⁴			146 ± 3.3	201 ± 22.0	422 ± 14.2

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	14 ± 1.2
33.0	
100.0	18 ± 2.9
333.0	10 ± 3.4
1000.0	9 ± 1.3
3333.0	8 ± 1.8
6666.0	
10000.0	6 ± 0.9 ^p
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	397 ± 16.0

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Test Compound: Butyltin-tris(isooctylmercaptoacetate)

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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	140 ± 3.5	157 ± 3.7	191 ± 2.3	203 ± 4.4	173 ± 9.5
33.0		172 ± 13.3			
100.0	151 ± 2.6	172 ± 15.7	216 ± 15.4	190 ± 13.1	178 ± 7.6
333.0	162 ± 15.7	172 ± 1.2	205 ± 9.0	200 ± 3.3	167 ± 3.5
1000.0	155 ± 8.5	166 ± 8.7	179 ± 9.2	188 ± 6.2	167 ± 9.6
3333.0	125 ± 11.2	120 ± 4.6	171 ± 6.4	166 ± 14.6	154 ± 3.2
6666.0	110 ± 12.9 ^s				
10000.0			163 ± 7.5 ^p	123 ± 4.3 ^x	142 ± 3.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ⁴			966 ± 36.7	606 ± 11.1	1579 ± 30.3
Positive Control ⁵	1245 ± 36.6	1496 ± 76.9			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	164 ± 10.1
33.0	
100.0	167 ± 4.4
333.0	168 ± 26.4
1000.0	168 ± 26.8
3333.0	138 ± 6.8
6666.0	
10000.0	52 ± 21.8 ^x
Trial Summary	Negative
Positive Control ²	850 ± 33.6
Positive Control 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	25 ± 3.8	22 ± 4.2	35 ± 5.3	40 ± 2.3	44 ± 1.9
33.0		19 ± 0.3			
100.0	19 ± 2.4	28 ± 3.8	37 ± 0.9	33 ± 1.7	36 ± 3.2
333.0	19 ± 0.6	27 ± 2.5	40 ± 0.7	39 ± 4.7	41 ± 4.7
1000.0	19 ± 1.2	15 ± 4.2	32 ± 2.7	34 ± 2.2	30 ± 2.5
3333.0	12 ± 0.0	12 ± 1.9	28 ± 0.7	28 ± 1.5	34 ± 6.8
6666.0	5 ± 1.7 ^s				
10000.0			27 ± 1.8 ^p	33 ± 1.5 ^p	39 ± 1.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			261 ± 4.7	233 ± 18.5	1331 ± 16.8
Positive Control ⁶	1471 ± 25.0	1587 ± 35.7			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	33 ± 2.4
33.0	
100.0	26 ± 3.2
333.0	35 ± 5.7
1000.0	31 ± 4.0
3333.0	30 ± 6.6
6666.0	
10000.0	32 ± 1.7 ^p
Trial Summary	Negative
Positive Control ²	510 ± 17.6
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

p: Precipitate

s: Slight Toxicity

x: Slight Toxicity and Precipitate

**** END OF REPORT ****