

Experiment Number: 707581

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Dimethyltin difluoride

CAS Number: 3582-17-0

Date Report Requested: 09/12/2018

Time Report Requested: 13:05:45

NTP Study Number:

707581

Study Result:

Negative

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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	135 ± 6.1	103 ± 6.2	112 ± 8.2	194 ± 6.7	116 ± 11.9
3.0	164 ± 6.2	109 ± 10.5	134 ± 5.0	173 ± 11.9	
5.0					109 ± 8.1
10.0	185 ± 1.2	88 ± 5.2	115 ± 4.9	183 ± 8.3	121 ± 2.9
33.0	145 ± 3.3	101 ± 6.1	116 ± 3.8	179 ± 10.3	102 ± 1.9
100.0	143 ± 7.7	95 ± 5.2	130 ± 2.3	180 ± 7.2	120 ± 2.7
333.0	149 ± 3.0	103 ± 8.5	113 ± 7.6	154 ± 22.4	122 ± 13.5
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ²					502 ± 21.8
Positive Control ³			338 ± 10.2		
Positive Control ⁴				381 ± 11.1	
Positive Control ⁵	618 ± 20.8	328 ± 5.4			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	163 ± 3.4
3.0	160 ± 14.7
5.0	
10.0	171 ± 8.5
33.0	184 ± 10.2
100.0	177 ± 14.8
333.0	153 ± 9.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	413 ± 42.2
Positive Control ⁴	
Positive Control ⁵	

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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	9 ± 0.9	10 ± 1.7	10 ± 0.3	10 ± 0.6	11 ± 1.2
3.0	11 ± 1.2	7 ± 0.3	11 ± 1.2	12 ± 1.9	7 ± 1.5
10.0	6 ± 0.9	10 ± 0.9	9 ± 0.9	8 ± 0.7	9 ± 0.0
33.0	7 ± 1.3	4 ± 0.3	8 ± 0.6	16 ± 1.5	7 ± 1.2
100.0	7 ± 0.7	8 ± 2.5	12 ± 1.2	13 ± 2.9	7 ± 2.5
333.0	9 ± 1.2	7 ± 2.0	6 ± 2.1	17 ± 3.2	5 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					71 ± 1.5
Positive Control ⁴			72 ± 6.3		
Positive Control ⁵	533 ± 14.8	282 ± 36.1			
Positive Control ⁶				96 ± 7.0	

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Test Compound: Dimethyltin difluoride

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	13 ± 1.5
3.0	13 ± 3.8
10.0	8 ± 0.9
33.0	8 ± 2.2
100.0	9 ± 0.7
333.0	10 ± 1.8
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	166 ± 12.5
Positive Control ⁵	
Positive Control ⁶	

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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	189 ± 17.9	210 ± 10.5	196 ± 4.7	222 ± 8.6	185 ± 3.5
3.0	213 ± 5.0	198 ± 21.5	209 ± 2.8	228 ± 4.7	
5.0					182 ± 13.5
10.0	228 ± 10.8	211 ± 1.2	221 ± 8.2	209 ± 7.2	193 ± 7.0
33.0	215 ± 13.0	197 ± 14.8	211 ± 7.8	217 ± 7.0	191 ± 7.9
100.0	224 ± 3.5	216 ± 6.8	200 ± 7.8	209 ± 0.9	171 ± 4.4
333.0	213 ± 13.6	161 ± 30.7	185 ± 14.1	196 ± 17.6	171 ± 11.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					387 ± 21.5
Positive Control ³			335 ± 22.7		
Positive Control ⁴				366 ± 12.1	
Positive Control ⁷	434 ± 10.9	387 ± 18.6			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	202 ± 11.1
3.0	176 ± 5.9
5.0	
10.0	195 ± 9.8
33.0	197 ± 5.7
100.0	185 ± 14.2
333.0	211 ± 11.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	348 ± 22.0
Positive Control ⁴	
Positive Control ⁷	

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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	22 ± 2.7	23 ± 1.3	23 ± 3.5	21 ± 2.8	24 ± 2.2
3.0	18 ± 0.3	27 ± 1.2	19 ± 2.4	21 ± 2.3	
5.0					17 ± 1.8
10.0	15 ± 0.9	18 ± 1.5	18 ± 1.2	17 ± 1.3	19 ± 3.0
33.0	18 ± 1.8	18 ± 2.0	16 ± 1.7	15 ± 1.5	19 ± 2.5
100.0	18 ± 1.7	15 ± 1.2	19 ± 1.5	17 ± 1.2	17 ± 1.2
333.0	26 ± 1.7	18 ± 1.5	19 ± 1.3	19 ± 3.2	16 ± 2.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					262 ± 47.2
Positive Control ³			136 ± 20.4	107 ± 6.1	
Positive Control ⁸	992 ± 31.3	773 ± 71.9			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	20 ± 1.5
3.0	18 ± 2.9
5.0	
10.0	18 ± 2.1
33.0	21 ± 2.4
100.0	21 ± 0.3
333.0	24 ± 2.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	296 ± 5.8
Positive Control ⁸	

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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: 0.5 ug/Plate 2-Aminoanthracene
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 2.5 ug/Plate 2-Aminoanthracene
- 5: 5.0 ug/Plate Sodium Azide
- 6: 5.0 ug/Plate 2-Aminoanthracene
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****