

Experiment Number: 543366

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

G06: Ames Summary Data

Test Compound: **Photodieldrin**

CAS Number: **13366-73-9**

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

Time Report Requested: **17:00:15**

NTP Study Number:

543366

Study Result:

Positive

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Date Report Requested: 09/13/2018

Time Report Requested: 17:00:15

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	115 ± 9.5	107 ± 6.9	97 ± 7.1	144 ± 17.5	104 ± 4.2
1.0	116 ± 4.2	110 ± 5.7			
3.3	107 ± 13.3	112 ± 7.5			
10.0	118 ± 0.3	109 ± 9.7			
33.0	76 ± 7.1	88 ± 2.7 ^s			
100.0	108 ± 4.7 ^s	89 ± 5.7 ^s	93 ± 3.0	115 ± 8.3	119 ± 5.0
333.0			94 ± 5.8	126 ± 2.4	117 ± 2.5
1000.0			84 ± 8.8	110 ± 6.2	92 ± 7.8
3333.0			84 ± 7.1 ^p	110 ± 4.2 ^p	104 ± 7.8 ^p
10000.0			98 ± 1.5 ^p	110 ± 0.9 ^p	84 ± 4.7 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					651 ± 38.7
Positive Control ³			596 ± 18.0		
Positive Control ⁴				505 ± 11.9	
Positive Control ⁵	1035 ± 21.1	1293 ± 31.1			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	108 ± 6.0	100 ± 3.4
1.0		
3.3		
10.0		
33.0		
100.0	201 ± 7.0	148 ± 11.8
333.0	178 ± 7.0	140 ± 7.8
1000.0	179 ± 13.6	115 ± 8.1
3333.0	170 ± 1.2 ^P	146 ± 2.0 ^P
10000.0	148 ± 6.5 ^P	147 ± 9.3 ^P
Trial Summary	Equivocal	Equivocal
Positive Control ²		
Positive Control ³		
Positive Control ⁴	1177 ± 2.8	863 ± 42.8
Positive Control ⁵		

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Date Report Requested: 09/13/2018

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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	33 ± 3.0	26 ± 2.5	11 ± 0.9	14 ± 1.5	10 ± 1.2
1.0	30 ± 2.9	33 ± 2.2			
3.3	29 ± 3.4	32 ± 3.0			
10.0	29 ± 1.0	25 ± 1.2			
33.0	30 ± 0.9	27 ± 5.9 ^s			
100.0	35 ± 2.0 ^s	25 ± 1.5 ^s	9 ± 2.6	14 ± 1.5	11 ± 1.7
333.0			8 ± 0.9	11 ± 2.4	9 ± 1.7
1000.0			8 ± 1.2	18 ± 1.2	9 ± 1.8
3333.0			10 ± 0.9 ^p	11 ± 0.6 ^s	9 ± 1.2 ^p
10000.0			9 ± 2.1 ^p	16 ± 2.0 ^p	8 ± 0.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					73 ± 2.3
Positive Control ³			75 ± 3.2		
Positive Control ⁴				115 ± 13.7	
Positive Control ⁵	745 ± 23.1	933 ± 12.6			

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Test Compound: Photodieldrin
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Date Report Requested: 09/13/2018
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 0.6
1.0	
3.3	
10.0	
33.0	
100.0	10 ± 3.0
333.0	6 ± 1.5
1000.0	10 ± 1.3
3333.0	7 ± 1.5 ^P
10000.0	11 ± 1.5 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	254 ± 8.3
Positive Control 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	92 ± 5.0	98 ± 3.0	114 ± 4.2	190 ± 7.8	174 ± 6.6
0.1					
0.3					
1.0	102 ± 8.0	87 ± 5.0			
3.3	92 ± 1.5	92 ± 2.5			
10.0	91 ± 5.6	96 ± 6.4			
33.0	95 ± 4.5	88 ± 8.2 ^s			
100.0	108 ± 6.7 ^s	84 ± 2.6 ^s	134 ± 4.1	215 ± 5.2	192 ± 5.8
333.0			138 ± 8.1	191 ± 9.8	168 ± 4.0
1000.0			136 ± 9.9	179 ± 2.8	168 ± 8.1
3333.0			130 ± 6.4 ^p	178 ± 11.8 ^s	163 ± 5.8 ^p
10000.0			128 ± 8.2 ^p	166 ± 5.2 ^p	148 ± 8.1 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					467 ± 4.9
Positive Control ³			462 ± 5.8		
Positive Control ⁴				411 ± 22.0	
Positive Control ⁶	345 ± 19.9	536 ± 6.1			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	164 ± 3.0	143 ± 11.0	118 ± 7.0
0.1			131 ± 9.1
0.3			118 ± 7.3
1.0			147 ± 16.0
3.3			186 ± 5.5
10.0			314 ± 11.8
33.0			444 ± 25.0
100.0	457 ± 17.7	421 ± 13.4	483 ± 6.0
333.0	377 ± 30.2	365 ± 19.8	
1000.0	354 ± 18.3	306 ± 14.1	
3333.0	377 ± 38.1 ^s	358 ± 21.3 ^p	
10000.0	289 ± 14.5 ^p	260 ± 23.7 ^p	
Trial Summary	Positive	Positive	Positive
Positive Control ²			
Positive Control ³			
Positive Control ⁴	815 ± 47.7	582 ± 23.1	1059 ± 33.4
Positive Control ⁶			

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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	16 ± 0.6	12 ± 2.6	32 ± 3.0	32 ± 1.8	35 ± 1.5
1.0	15 ± 3.8	15 ± 1.0			
3.3	15 ± 2.3	14 ± 1.0			
10.0	22 ± 1.2	18 ± 0.6			
33.0	13 ± 1.5	13 ± 0.7			
100.0	10 ± 1.8 ^s	15 ± 2.4 ^s	30 ± 3.5	28 ± 0.6	35 ± 3.8
333.0			30 ± 1.2	31 ± 1.3	30 ± 2.0
1000.0			27 ± 2.4	28 ± 1.5	32 ± 3.4
3333.0			30 ± 2.9 ^p	24 ± 2.4 ^p	34 ± 5.7 ^p
10000.0			29 ± 3.5 ^p	26 ± 2.3 ^p	23 ± 0.0 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					767 ± 34.4
Positive Control ³			592 ± 8.4		
Positive Control ⁴				856 ± 4.9	
Positive Control ⁷	709 ± 36.2	1410 ± 62.6			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	35 ± 1.5
1.0	
3.3	
10.0	
33.0	
100.0	32 ± 2.2
333.0	29 ± 0.3
1000.0	26 ± 1.7
3333.0	24 ± 4.3 ^P
10000.0	26 ± 0.9 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	1488 ± 28.2
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: Dimethyl Sulfoxide

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

p: Precipitate

s: Slight Toxicity

**** END OF REPORT ****