

Experiment Number: 723010

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Dibutyl phenyl phosphate

CAS Number: 2528-36-1

Date Report Requested: 09/12/2018

Time Report Requested: 18:44:19

NTP Study Number:

723010

Study Result:

Negative

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Test Compound: Dibutyl phenyl phosphate
CAS Number: 2528-36-1

Date Report Requested: 09/12/2018

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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	81 ± 2.9	64 ± 1.8	94 ± 7.6	92 ± 8.1	84 ± 6.1
1.0	89 ± 3.5	62 ± 5.6	91 ± 2.0		87 ± 6.3
3.3	81 ± 3.3	63 ± 1.8	91 ± 10.5	86 ± 6.4	81 ± 8.5
10.0	77 ± 2.0	69 ± 4.1	102 ± 5.5	86 ± 2.6	86 ± 3.3
33.0	77 ± 3.4	71 ± 3.6	81 ± 5.8	93 ± 2.9	84 ± 3.2
66.0	73 ± 7.0 ^s		82 ± 5.5		76 ± 6.2
67.0		53 ± 3.1 ^s			
100.0				83 ± 4.0	
200.0				82 ± 5.7	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					271 ± 9.4
Positive Control ³	247 ± 9.7	211 ± 7.8			
Positive Control ⁴			421 ± 9.0		
Positive Control ⁵					
Positive Control ⁶				344 ± 78.4	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	94 ± 4.2
1.0	
3.3	90 ± 9.0
10.0	85 ± 5.7
33.0	90 ± 2.1
66.0	
67.0	
100.0	85 ± 8.8
200.0	84 ± 4.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	204 ± 6.8
Positive Control ⁶	

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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	21 ± 1.7	9 ± 1.2	11 ± 1.2	8 ± 1.5	13 ± 4.0
1.0	21 ± 1.5	7 ± 1.5	11 ± 0.6		10 ± 0.3
3.3	17 ± 1.2	12 ± 0.5	16 ± 4.4	9 ± 1.2	9 ± 1.5
10.0	11 ± 2.6	8 ± 2.0	14 ± 2.6	9 ± 0.9	6 ± 2.0
33.0	16 ± 2.6	11 ± 2.2	14 ± 1.5	8 ± 1.3	8 ± 0.9
66.0	12 ± 1.8 ^s		13 ± 2.6		7 ± 2.3
67.0		3 ± 0.9 ^s			
100.0				9 ± 0.6	
200.0				4 ± 0.7 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					55 ± 1.9
Positive Control ³	101 ± 0.9	42 ± 1.9			
Positive Control ⁵					
Positive Control ⁷				66 ± 3.5	
Positive Control ⁶			196 ± 14.3		

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 1.5
1.0	
3.3	7 ± 1.5
10.0	8 ± 1.0
33.0	8 ± 0.3
66.0	
67.0	
100.0	12 ± 2.6
200.0	8 ± 1.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	35 ± 0.9
Positive Control ⁷	
Positive Control ⁶	

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Test Compound: Dibutyl phenyl phosphate
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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	78 ± 6.2	81 ± 3.5	135 ± 14.1	147 ± 4.3	107 ± 4.4
1.0	76 ± 3.4	79 ± 3.0	158 ± 15.5		109 ± 6.8
3.3	82 ± 5.0	81 ± 1.2	116 ± 1.5	143 ± 4.6	109 ± 3.9
10.0	76 ± 4.7	90 ± 2.3	124 ± 1.5	153 ± 8.4	89 ± 3.2
33.0	80 ± 4.9	82 ± 4.0	120 ± 2.8	142 ± 10.3	93 ± 3.8
66.0	63 ± 3.8 ^s		133 ± 3.3		105 ± 10.3
67.0		55 ± 3.5 ^s			
100.0				127 ± 8.5	
200.0				118 ± 3.2 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					526 ± 18.4
Positive Control ⁶			1243 ± 9.7	307 ± 47.5	
Positive Control ⁸	458 ± 22.5	184 ± 1.9			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	153 ± 0.3
1.0	
3.3	155 ± 7.6
10.0	120 ± 8.2
33.0	115 ± 5.5
66.0	
67.0	
100.0	118 ± 4.0
200.0	107 ± 7.7
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	439 ± 17.5
Positive Control ⁸	

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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	11 ± 0.9	20 ± 2.9	33 ± 5.1	26 ± 3.0	19 ± 1.3
1.0	12 ± 3.3	15 ± 2.6	34 ± 1.7		31 ± 0.7
3.3	18 ± 1.2	19 ± 0.9	27 ± 1.5	26 ± 1.8	28 ± 5.7
10.0	20 ± 1.8	13 ± 2.6	27 ± 4.9	24 ± 4.0	23 ± 3.0
33.0	15 ± 1.5	12 ± 0.9	29 ± 2.7	26 ± 1.5	21 ± 4.3
66.0	11 ± 1.2		31 ± 5.5		22 ± 3.5
67.0		11 ± 1.8			
100.0				21 ± 1.2	
200.0				23 ± 4.7	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁹					124 ± 14.7
Positive Control ²			187 ± 2.6		
Positive Control ⁵				203 ± 4.9	
Positive Control ¹⁰	156 ± 7.1	176 ± 16.5			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	28 ± 4.3
1.0	
3.3	24 ± 3.5
10.0	27 ± 1.3
33.0	25 ± 0.3
66.0	
67.0	
100.0	24 ± 2.0
200.0	24 ± 0.6
Trial Summary	Negative
Positive Control ⁹	
Positive Control ²	81 ± 6.2
Positive Control ⁵	
Positive Control ¹⁰	

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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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 1.5 ug/Plate 2-Aminoanthracene

8: 3.5 ug/Plate 9-Aminoacridine

9: 0.2 ug/Plate 2-Aminoanthracene

10: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****