

Experiment Number: 127835

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

G06: Ames Summary Data

Test Compound: **Nonylphenyl diphenyl phosphate (NPDPP mixed isomers)**

CAS Number: 64532-97-4

Date Report Requested: 09/12/2018

Time Report Requested: 02:43:24

NTP Study Number:

127835

Study Result:

Negative

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Mutagenicity

Test Compound: Nonylphenyl diphenyl phosphate (NPDPP mixed isomers)

Time Report Requested: 02:43:24

CAS Number: 64532-97-4

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	104 ± 3.7	132 ± 3.5	101 ± 3.3	105 ± 8.8	94 ± 2.3
100.0	110 ± 3.7	111 ± 2.4	96 ± 1.8	123 ± 6.8	98 ± 7.8
333.0	111 ± 9.4	104 ± 4.0	104 ± 4.8	128 ± 6.8	105 ± 14.3
1000.0	110 ± 3.2 ^P	122 ± 3.3 ^P	119 ± 8.1 ^P	127 ± 10.4 ^P	93 ± 5.0 ^P
3333.0	99 ± 9.1 ^P	122 ± 11.6 ^P	128 ± 15.0 ^P	125 ± 8.5 ^P	107 ± 7.5 ^P
10000.0	107 ± 6.6 ^P	110 ± 7.8 ^P	109 ± 4.4 ^P	124 ± 9.8 ^P	107 ± 4.8 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1363 ± 39.2		357 ± 7.8
Positive Control ³	473 ± 22.4	440 ± 7.2			
Positive Control ⁴					
Positive Control ⁵				1305 ± 60.9	

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CAS Number: 64532-97-4

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	123 ± 7.8
100.0	119 ± 2.7
333.0	116 ± 4.8
1000.0	116 ± 2.8
3333.0	128 ± 6.6 ^p
10000.0	108 ± 4.4 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	485 ± 30.5
Positive Control ⁵	

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CAS Number: 64532-97-4

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	24 ± 0.9	26 ± 3.8	12 ± 2.4	12 ± 0.7	11 ± 2.3
100.0	30 ± 4.1	22 ± 0.7	11 ± 0.7	11 ± 1.9	10 ± 1.2
333.0	26 ± 0.3	29 ± 2.3	13 ± 1.5	15 ± 2.3	12 ± 3.8
1000.0	20 ± 1.5 ^P	26 ± 2.0 ^P	15 ± 2.0 ^P	13 ± 1.2 ^P	14 ± 1.2 ^P
3333.0	33 ± 4.0 ^P	29 ± 1.8 ^P	14 ± 2.4 ^P	16 ± 2.1 ^P	9 ± 2.2 ^P
10000.0	28 ± 5.5 ^P	23 ± 3.7 ^P	14 ± 1.0 ^P	14 ± 1.2 ^P	13 ± 0.9 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					102 ± 20.2
Positive Control ³	323 ± 29.5	407 ± 6.8			
Positive Control ⁴					
Positive Control ⁵			358 ± 15.5	276 ± 17.6	

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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	16 ± 1.2
100.0	18 ± 2.4
333.0	16 ± 1.7
1000.0	15 ± 2.5 ^p
3333.0	17 ± 4.5 ^p
10000.0	14 ± 2.0 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	167 ± 11.1
Positive Control ⁵	

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Test Compound: Nonylphenyl diphenyl phosphate (NPDPP mixed isomers)

Time Report Requested: 02:43:24

CAS Number: 64532-97-4

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	117 ± 1.5	121 ± 17.1	120 ± 8.8	162 ± 6.1	102 ± 5.2
100.0	129 ± 5.9	125 ± 9.9	117 ± 2.0	164 ± 4.7	118 ± 12.5
333.0	115 ± 10.3	104 ± 3.2	134 ± 2.9	137 ± 2.2	106 ± 15.6
1000.0	113 ± 2.0 ^P	109 ± 6.5 ^P	125 ± 6.0 ^P	143 ± 1.2 ^P	120 ± 7.2 ^P
3333.0	120 ± 2.3 ^P	106 ± 2.1 ^P	136 ± 9.4 ^P	140 ± 3.9 ^P	115 ± 3.5 ^P
10000.0	110 ± 2.1 ^P	103 ± 4.7 ^P	130 ± 8.5 ^P	142 ± 4.1 ^P	103 ± 6.2 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁶	482 ± 24.8	567 ± 36.8			
Positive Control ⁷					936 ± 21.7
Positive Control ⁵			3121 ± 176.6		
Positive Control ⁸				1143 ± 42.5	

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CAS Number: 64532-97-4

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	128 ± 7.4
100.0	153 ± 6.1
333.0	137 ± 0.9
1000.0	133 ± 3.2 ^P
3333.0	140 ± 11.0 ^P
10000.0	124 ± 5.7 ^P
Trial Summary	Negative
Positive Control ⁶	
Positive Control ⁷	
Positive Control ⁵	
Positive Control ⁸	1096 ± 29.9

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CAS Number: 64532-97-4

Strain: TA98

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	20 ± 3.5	31 ± 2.3	32 ± 3.6	28 ± 2.8
100.0	21 ± 2.5	18 ± 0.3	32 ± 2.4	36 ± 1.2	28 ± 4.6
333.0	17 ± 0.3	16 ± 1.5	34 ± 1.8	34 ± 2.2	24 ± 2.7
1000.0	22 ± 1.5 ^P	15 ± 2.3 ^P	30 ± 1.5 ^P	37 ± 2.0 ^P	23 ± 0.9 ^P
3333.0	13 ± 1.0 ^P	17 ± 4.6 ^P	27 ± 3.2 ^P	31 ± 2.5 ^P	25 ± 1.8 ^P
10000.0	16 ± 0.6 ^P	21 ± 3.8 ^P	26 ± 1.7 ^P	32 ± 2.9 ^P	20 ± 2.8 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			309 ± 13.2		173 ± 4.5
Positive Control ⁹	320 ± 8.2	334 ± 10.3			
Positive Control ⁴				325 ± 12.2	

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CAS Number: 64532-97-4

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	36 ± 2.1
100.0	27 ± 3.0
333.0	26 ± 6.0
1000.0	27 ± 0.9
3333.0	33 ± 2.0 ^p
10000.0	28 ± 3.9 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ⁹	
Positive Control ⁴	254 ± 17.8

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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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 1.0 ug/Plate 2-Aminoanthracene

5: 2.0 ug/Plate 2-Aminoanthracene

6: 0.05 ug/Plate Solvent

7: 0.75 ug/Plate 2-Aminoanthracene

8: 2.5 ug/Plate 2-Aminoanthracene

9: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****