

Experiment Number: 637553

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Phosphate ester:NCP

CAS Number: EMTDP-46

Date Report Requested: 09/10/2018

Time Report Requested: 23:31:56

NTP Study Number:

637553

Study Result:

Equivocal

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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	97 ± 7.5	82 ± 3.0	112 ± 5.5	92 ± 2.0	111 ± 5.6
100.0	110 ± 3.8	69 ± 4.4	106 ± 4.8	72 ± 6.7	110 ± 7.2
333.0	102 ± 6.9	90 ± 4.4	101 ± 6.8	77 ± 4.5	109 ± 2.9
1000.0	108 ± 4.2	78 ± 4.7	109 ± 4.9	77 ± 3.8	111 ± 5.5
3333.0	119 ± 1.5	96 ± 3.2	101 ± 9.3	82 ± 6.5	120 ± 9.8
10000.0	107 ± 6.4	85 ± 3.0	102 ± 1.9	85 ± 1.9	98 ± 2.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					408 ± 11.3
Positive Control ³	257 ± 5.1	278 ± 0.3			
Positive Control ⁴			716 ± 9.2		
Positive Control ⁵					
Positive Control ⁶				296 ± 28.9	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	87 ± 7.9
100.0	90 ± 11.7
333.0	90 ± 3.2
1000.0	84 ± 4.7
3333.0	85 ± 5.9
10000.0	80 ± 2.6
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	219 ± 1.5
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	19 ± 1.2	20 ± 3.9	17 ± 1.9	13 ± 1.8	14 ± 2.7
100.0	28 ± 2.6	24 ± 2.3	17 ± 2.3	9 ± 3.2	15 ± 3.0
333.0	21 ± 1.9	24 ± 0.5	12 ± 2.3	11 ± 1.5	15 ± 2.8
1000.0	30 ± 1.9	30 ± 4.3	10 ± 2.1	9 ± 0.7	15 ± 1.2
3333.0	29 ± 1.5	33 ± 2.4	12 ± 2.2	9 ± 1.5	11 ± 1.2
10000.0	36 ± 5.9 ^s	32 ± 4.3	14 ± 0.9	9 ± 1.0	8 ± 1.9
Trial Summary	Equivocal	Equivocal	Negative	Negative	Negative
Positive Control ²					67 ± 7.3
Positive Control ³	107 ± 1.2	276 ± 12.8			
Positive Control ⁵					
Positive Control ⁷				53 ± 3.8	
Positive Control ⁶			214 ± 17.3		

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Test Compound: Phosphate ester:NCP
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 0.6
100.0	8 ± 0.6
333.0	10 ± 0.0
1000.0	16 ± 2.8
3333.0	10 ± 1.2
10000.0	7 ± 1.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	87 ± 1.2
Positive Control ⁷	
Positive Control ⁶	

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Test Compound: Phosphate ester:NCP

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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	105 ± 3.3	83 ± 3.4	137 ± 12.6	136 ± 6.7	122 ± 6.8
100.0	106 ± 2.3	79 ± 2.1	125 ± 6.6	106 ± 1.5	139 ± 1.8
333.0	97 ± 4.4	82 ± 5.8	119 ± 0.6	111 ± 11.8	134 ± 16.7
1000.0	95 ± 3.4	74 ± 3.7	118 ± 10.4	99 ± 4.6	151 ± 10.3
3333.0	93 ± 3.7	60 ± 3.8	126 ± 4.8	95 ± 3.5	128 ± 4.7
10000.0	79 ± 0.9	71 ± 5.5	106 ± 7.1	118 ± 5.6	110 ± 7.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					753 ± 15.0
Positive Control ⁶			1592 ± 44.1	282 ± 7.4	
Positive Control ⁸	223 ± 9.9	805 ± 60.0			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	112 ± 4.4
100.0	127 ± 6.4
333.0	96 ± 4.6
1000.0	100 ± 8.4
3333.0	111 ± 4.7
10000.0	105 ± 4.2
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	416 ± 22.8
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	15 ± 2.1	15 ± 0.7	23 ± 1.5	29 ± 1.8	24 ± 2.3
100.0	15 ± 2.3	14 ± 1.7	22 ± 2.6	29 ± 2.3	26 ± 1.8
333.0	15 ± 2.3	14 ± 4.8	26 ± 3.8	25 ± 0.9	23 ± 2.4
1000.0	14 ± 2.7	17 ± 2.8	23 ± 0.3	26 ± 1.2	23 ± 2.8
3333.0	13 ± 1.7	11 ± 1.7	26 ± 2.8	25 ± 1.5	20 ± 1.7
10000.0	11 ± 2.6	13 ± 0.3	18 ± 0.9	23 ± 1.5	26 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁹					477 ± 9.6
Positive Control ²			934 ± 13.1		
Positive Control ¹⁰	234 ± 3.2	223 ± 12.5			
Positive Control ⁵				120 ± 3.0	

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Test Compound: Phosphate ester:NCP

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	24 ± 0.7
100.0	20 ± 2.3
333.0	23 ± 1.9
1000.0	18 ± 3.0
3333.0	20 ± 1.2
10000.0	16 ± 0.9
Trial Summary	Negative
Positive Control ⁹	
Positive Control ²	90 ± 2.6
Positive Control ¹⁰	
Positive Control ⁵	

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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 ****