

Experiment Number: 762372

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: tris(2-Ethylhexyl) ester phosphorous acid

CAS Number: 301-13-3

Date Report Requested: 09/17/2018

Time Report Requested: 16:05:31

NTP Study Number:

762372

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	84 ± 3.8	97 ± 7.2	134 ± 8.4	150 ± 8.6	132 ± 3.5
100.0	103 ± 2.3	91 ± 14.9	126 ± 8.1	136 ± 3.7	122 ± 5.0
333.0	89 ± 1.2	85 ± 8.5	110 ± 4.7	141 ± 12.0	108 ± 4.4
1000.0	81 ± 1.2	77 ± 8.1	106 ± 2.0	137 ± 13.0	114 ± 5.2
3333.0	83 ± 2.0	91 ± 8.7	87 ± 2.1	136 ± 23.2	117 ± 7.9
8270.0	102 ± 2.8	96 ± 10.8	113 ± 2.3	142 ± 10.0	113 ± 5.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1477 ± 60.0	1770 ± 133.0	1469 ± 58.7
Positive Control ³	416 ± 26.1	759 ± 51.8			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	143 ± 6.1
100.0	135 ± 2.7
333.0	137 ± 15.2
1000.0	136 ± 16.0
3333.0	131 ± 2.3
8270.0	132 ± 9.4
Trial Summary	Negative
Positive Control ²	1578 ± 172.5
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	3 ± 0.9	13 ± 2.7	5 ± 1.2	18 ± 2.3	7 ± 1.5
100.0	6 ± 0.6	12 ± 0.9	9 ± 0.7	19 ± 2.3	5 ± 0.7
333.0	3 ± 0.3	8 ± 1.7	4 ± 0.7	9 ± 0.9	7 ± 0.6
1000.0	1 ± 0.0	6 ± 1.2	6 ± 0.3	14 ± 1.7	8 ± 1.7
3333.0	3 ± 0.3	6 ± 0.3	7 ± 1.0	15 ± 1.5	8 ± 1.2
8270.0	3 ± 0.3	6 ± 2.3	4 ± 0.7	11 ± 1.7	7 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			106 ± 7.5	183 ± 44.1	118 ± 10.2
Positive Control ³	616 ± 64.3	395 ± 52.9			

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

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Test Compound: **tris(2-Ethylhexyl) ester phosphorous acid**
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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	21 ± 1.2
100.0	13 ± 2.3
333.0	14 ± 1.2
1000.0	14 ± 1.5
3333.0	17 ± 2.0
8270.0	18 ± 3.2
Trial Summary	Negative
Positive Control ²	177 ± 41.0
Positive Control ³	

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	4 ± 1.3	6 ± 1.5	6 ± 1.9	6 ± 0.9	9 ± 1.2
100.0	4 ± 1.2	6 ± 0.6	10 ± 0.9	10 ± 0.6	5 ± 1.5
333.0	6 ± 2.1	5 ± 2.2	8 ± 0.9	8 ± 1.5	5 ± 0.7
1000.0	3 ± 0.3	4 ± 0.6	8 ± 0.6	5 ± 1.8	11 ± 1.0
3333.0	3 ± 0.9	4 ± 0.6	5 ± 1.2	7 ± 1.7	3 ± 0.3
8270.0	3 ± 0.7	3 ± 0.9	5 ± 1.2	6 ± 1.0	5 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			137 ± 22.2	149 ± 5.3	156 ± 8.0
Positive Control ⁴	391 ± 36.3	928 ± 200.9			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 0.6
100.0	8 ± 2.5
333.0	5 ± 0.6
1000.0	11 ± 2.3
3333.0	9 ± 3.0
8270.0	9 ± 2.4
Trial Summary	Negative
Positive Control ²	151 ± 16.5
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 1.2	19 ± 2.6	24 ± 2.1	26 ± 1.2	31 ± 1.3
100.0	17 ± 3.5	22 ± 2.4	33 ± 7.8	32 ± 3.3	22 ± 1.2
333.0	10 ± 0.3	11 ± 1.2	24 ± 0.7	28 ± 1.5	31 ± 0.7
1000.0	10 ± 1.8	14 ± 3.2	27 ± 3.1	28 ± 1.5	18 ± 0.3
3333.0	18 ± 4.4	17 ± 3.7	25 ± 4.4	28 ± 4.4	38 ± 4.1
8270.0	10 ± 0.9	22 ± 5.5	15 ± 0.9	22 ± 4.3	13 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			803 ± 130.9	857 ± 39.5	1743 ± 276.0
Positive Control ⁵	319 ± 7.5	303 ± 30.7			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	28 ± 4.0
100.0	21 ± 1.8
333.0	25 ± 1.8
1000.0	18 ± 1.5
3333.0	24 ± 5.2
8270.0	20 ± 4.0
Trial Summary	Negative
Positive Control ²	1014 ± 49.6
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: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****