

Experiment Number: 226613

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Indol-3-yl sodium phosphate

CAS Number: 3318-43-2

Date Report Requested: 09/14/2018

Time Report Requested: 22:13:34

NTP Study Number:

226613

Study Result:

Equivocal

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Test Compound: Indol-3-yl sodium phosphate
CAS Number: 3318-43-2

Date Report Requested: 09/14/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9
Vehicle Control ¹	123 ± 2.6	112 ± 6.7	112 ± 3.6	129 ± 11.1	127 ± 11.1
100.0	119 ± 7.2				
333.0	112 ± 6.4				
666.0		141 ± 8.1	109 ± 2.0		
1000.0	124 ± 10.0	146 ± 0.3	108 ± 4.0	146 ± 1.3	149 ± 6.4
1666.0			109 ± 4.4	148 ± 4.7	195 ± 7.3
3333.0	150 ± 6.9	139 ± 11.9	114 ± 6.7	128 ± 5.7	163 ± 5.8
6666.0		150 ± 11.5	114 ± 6.4	139 ± 1.9	140 ± 7.2
10000.0	161 ± 3.8	165 ± 8.4		138 ± 3.7	131 ± 2.1
Trial Summary	Equivocal	Equivocal	Negative	Negative	Equivocal
Positive Control ²					
Positive Control ³				320 ± 18.0	233 ± 18.3
Positive Control ⁴					
Positive Control ⁵	540 ± 23.9	1247 ± 15.9	682 ± 34.6		

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Strain: TA100

Dose (ug/Plate)	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	122 ± 13.4	127 ± 9.0	137 ± 4.9	130 ± 3.8	106 ± 8.5
100.0	119 ± 10.4	153 ± 0.6			
333.0	135 ± 1.5	162 ± 12.0			
666.0					
1000.0	133 ± 7.6	174 ± 1.8	148 ± 7.0	139 ± 4.3	157 ± 5.0
1666.0			195 ± 1.0	131 ± 4.3	170 ± 7.9
3333.0	130 ± 5.8	170 ± 8.7	197 ± 2.9	142 ± 4.4	139 ± 4.0
6666.0			155 ± 9.0	137 ± 2.0	120 ± 7.4
10000.0	121 ± 10.3	171 ± 8.3	148 ± 4.7	129 ± 2.5	129 ± 9.5
Trial Summary	Negative	Equivocal	Equivocal	Negative	Equivocal
Positive Control ²				323 ± 42.5	270 ± 33.1
Positive Control ³	370 ± 11.0				
Positive Control ⁴		332 ± 9.1	236 ± 17.5		
Positive Control ⁵					

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	121 ± 4.7	143 ± 9.7	121 ± 4.1
100.0	126 ± 5.7	142 ± 9.0	
333.0	128 ± 1.3	161 ± 14.7	
666.0			
1000.0	141 ± 10.4	187 ± 13.3	185 ± 6.7
1666.0			201 ± 2.1
3333.0	125 ± 2.6	167 ± 4.9	187 ± 5.5
6666.0			175 ± 6.7
10000.0	135 ± 3.4	194 ± 8.5	140 ± 12.5
Trial Summary	Negative	Equivocal	Equivocal
Positive Control ²	462 ± 13.8		
Positive Control ³		347 ± 25.0	288 ± 18.2
Positive Control ⁴			
Positive Control ⁵			

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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	8 ± 1.3	10 ± 1.5	11 ± 1.5	10 ± 3.0	10 ± 0.3
100.0	9 ± 2.3	8 ± 1.5	11 ± 1.0	13 ± 3.5	12 ± 0.9
333.0	10 ± 1.2	10 ± 0.6	13 ± 0.9	13 ± 1.3	10 ± 2.0
1000.0	10 ± 0.0	11 ± 0.7	12 ± 1.9	12 ± 1.5	10 ± 1.0
3333.0	11 ± 0.7	12 ± 1.0	12 ± 1.5	16 ± 1.3	15 ± 0.3
10000.0	11 ± 0.9	12 ± 0.7	9 ± 0.6	14 ± 2.4	13 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					118 ± 5.3
Positive Control ⁴			72 ± 5.2		
Positive Control ⁵	634 ± 40.8	875 ± 11.2			
Positive Control ⁶				193 ± 31.5	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	16 ± 0.9
100.0	15 ± 1.2
333.0	15 ± 0.6
1000.0	19 ± 10.5
3333.0	16 ± 0.7
10000.0	14 ± 3.4
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	125 ± 9.9
Positive Control ⁵	
Positive Control ⁶	

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Strain: TA1538

Dose (ug/Plate)	Without S9	With 30% Rat S9
Vehicle Control ¹	17 ± 0.7	17 ± 0.9
666.0	19 ± 0.6	18 ± 1.2
1000.0	13 ± 1.9	19 ± 4.6
1666.0	17 ± 1.3	21 ± 0.7
3333.0	21 ± 1.0	20 ± 2.2
6666.0	19 ± 1.8	19 ± 1.2
Trial Summary	Negative	Negative
Positive Control ⁷	516 ± 23.9	
Positive Control ⁶		504 ± 62.7

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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	117 ± 8.7	118 ± 9.6	155 ± 1.3	115 ± 2.0	126 ± 4.9
100.0	110 ± 0.3	135 ± 2.3	141 ± 8.7	136 ± 2.3	141 ± 2.9
333.0	108 ± 6.3	131 ± 4.6	145 ± 15.7	139 ± 7.6	143 ± 4.2
1000.0	104 ± 3.7	142 ± 4.9	149 ± 4.0	140 ± 6.7	149 ± 7.4
3333.0	96 ± 1.5	129 ± 4.5	159 ± 3.8	152 ± 17.5	143 ± 3.5
10000.0	13 ± 2.8	132 ± 6.8	147 ± 2.3	94 ± 7.3	135 ± 7.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					464 ± 29.5
Positive Control ³			330 ± 3.8		
Positive Control ⁴				548 ± 13.1	
Positive Control ⁸	279 ± 23.6	389 ± 24.0			

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Test Compound: Indol-3-yl sodium phosphate

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Date Report Requested: 09/14/2018

Time Report Requested: 22:13:34

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	131 ± 3.8
100.0	130 ± 1.3
333.0	136 ± 5.6
1000.0	138 ± 9.0
3333.0	146 ± 5.8
10000.0	89 ± 10.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	536 ± 35.6
Positive Control ⁴	
Positive Control ⁸	

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Date Report Requested: 09/14/2018

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9
Vehicle Control ¹	25 ± 2.3	18 ± 1.2	13 ± 0.7	23 ± 0.7	27 ± 2.5
100.0	23 ± 2.7				
333.0	22 ± 3.7				
666.0		24 ± 2.8	16 ± 1.2		
1000.0	36 ± 1.9	17 ± 1.8	21 ± 0.7	25 ± 3.4	22 ± 0.7
1666.0			19 ± 0.0	28 ± 0.7	24 ± 2.4
3333.0	40 ± 1.0	31 ± 2.2	21 ± 2.2	19 ± 1.0	16 ± 2.3
6666.0		39 ± 3.4	24 ± 1.9	24 ± 3.7	22 ± 2.5
10000.0	39 ± 3.5	37 ± 4.7		24 ± 4.2	22 ± 1.0
Trial Summary	Negative	Weakly Positive	Equivocal	Negative	Negative
Positive Control ²					
Positive Control ³				236 ± 17.7	142 ± 17.1
Positive Control ⁴					
Positive Control ⁷	425 ± 11.5	389 ± 1.3	291 ± 21.1		

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Strain: TA98

Dose (ug/Plate)	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	23 ± 2.2	26 ± 2.5	17 ± 2.3	27 ± 1.5	26 ± 1.8
100.0	15 ± 1.5	25 ± 0.7			
333.0	20 ± 0.9	27 ± 3.3			
666.0					
1000.0	29 ± 3.7	30 ± 6.1	24 ± 1.5	24 ± 3.5	31 ± 2.8
1666.0			30 ± 2.7	24 ± 2.0	31 ± 2.6
3333.0	23 ± 1.0	42 ± 2.3	33 ± 2.1	26 ± 2.6	31 ± 2.3
6666.0			33 ± 1.3	24 ± 1.7	33 ± 4.7
10000.0	18 ± 3.4	28 ± 1.5	21 ± 2.5	28 ± 2.3	31 ± 3.7
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ²				270 ± 28.7	190 ± 13.9
Positive Control ³	286 ± 17.6				
Positive Control ⁴		351 ± 12.7	114 ± 7.6		
Positive Control ⁷					

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	24 ± 1.0	28 ± 3.3	26 ± 0.6
100.0	25 ± 0.6	39 ± 0.6	
333.0	25 ± 1.3	45 ± 4.0	
666.0			
1000.0	28 ± 2.8	43 ± 3.2	26 ± 2.2
1666.0			29 ± 3.4
3333.0	24 ± 1.3	47 ± 4.6	30 ± 4.7
6666.0			29 ± 4.3
10000.0	29 ± 0.7	48 ± 6.6	29 ± 2.7
Trial Summary	Negative	Negative	Negative
Positive Control ²	432 ± 19.7		
Positive Control ³		346 ± 13.9	147 ± 7.4
Positive Control ⁴			
Positive Control ⁷			

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Test Type: **Genetic Toxicology - Bacterial
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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: Water

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 5.0 ug/Plate 2-Aminoanthracene

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

8: 50.0 ug/Plate 9-Aminoacridine

**** END OF REPORT ****