

Experiment Number: 093560

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 4-Hydroxypyrazolo[3,4-d]pyrimidine

CAS Number: 315-30-0

Date Report Requested: 09/11/2018

Time Report Requested: 07:19:38

NTP Study Number:

093560

Study Result:

Negative

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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	106 ± 7.9	88 ± 4.6	92 ± 12.2	123 ± 3.7	107 ± 4.7
100.0	103 ± 4.1	98 ± 3.9	107 ± 7.5	152 ± 9.9	95 ± 2.6
333.0	113 ± 3.1	79 ± 9.1	98 ± 6.2	133 ± 5.2	103 ± 3.8
1000.0	101 ± 1.2	84 ± 4.7	106 ± 4.7	138 ± 10.7	104 ± 6.5
3333.0	97 ± 7.8	89 ± 4.4	100 ± 7.3	138 ± 3.0	90 ± 4.7
10000.0	77 ± 3.9	72 ± 3.1	74 ± 3.1	116 ± 8.8	80 ± 5.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					505 ± 30.2
Positive Control ³	424 ± 4.5	404 ± 9.5			
Positive Control ⁴			765 ± 32.4		
Positive Control ⁵					
Positive Control ⁶				980 ± 68.5	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	117 ± 9.7
100.0	111 ± 6.9
333.0	126 ± 5.5
1000.0	115 ± 2.3
3333.0	116 ± 8.7
10000.0	112 ± 5.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	520 ± 45.9
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	13 ± 1.3	14 ± 1.2	11 ± 1.0	6 ± 0.9	11 ± 2.4
100.0	12 ± 1.3	11 ± 1.2	12 ± 1.7	13 ± 1.7	10 ± 1.7
333.0	11 ± 1.2	9 ± 1.2	7 ± 1.7	12 ± 0.0	16 ± 4.2
1000.0	10 ± 1.2	9 ± 0.9	9 ± 1.2	10 ± 1.7	11 ± 3.8
3333.0	11 ± 0.9	10 ± 2.1	12 ± 3.0	14 ± 2.1	10 ± 1.7
10000.0	9 ± 0.9	8 ± 1.2	8 ± 2.0	14 ± 1.5	12 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					55 ± 1.7
Positive Control ³	103 ± 9.9	259 ± 12.8			
Positive Control ⁵					
Positive Control ⁶			119 ± 5.5	71 ± 2.0	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	14 ± 1.9
100.0	17 ± 1.9
333.0	14 ± 1.5
1000.0	11 ± 1.5
3333.0	17 ± 1.9
10000.0	12 ± 2.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	129 ± 18.5
Positive Control ⁶	

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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	103 ± 5.5	115 ± 7.3	111 ± 3.5	208 ± 16.1	116 ± 4.6
100.0	105 ± 7.5	124 ± 9.9	127 ± 5.9	190 ± 11.7	110 ± 2.4
333.0	111 ± 3.5	126 ± 3.5	130 ± 8.6	162 ± 16.6	112 ± 4.6
1000.0	89 ± 4.9	111 ± 4.2	116 ± 8.7	186 ± 5.0	104 ± 4.4
3333.0	101 ± 2.1	92 ± 2.3	93 ± 5.7	164 ± 7.5	89 ± 7.1
10000.0	63 ± 2.7	41 ± 4.5	29 ± 7.9	136 ± 4.4	65 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					738 ± 13.4
Positive Control ⁶			1749 ± 124.1	622 ± 17.6	
Positive Control ⁷	326 ± 13.2	381 ± 86.1			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	175 ± 5.6
100.0	177 ± 10.5
333.0	141 ± 29.4
1000.0	162 ± 6.4
3333.0	138 ± 5.4
10000.0	110 ± 13.0
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	732 ± 10.3
Positive Control ⁷	

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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	14 ± 0.9	18 ± 0.6	18 ± 2.5	27 ± 5.4	22 ± 5.2
100.0	15 ± 3.2	17 ± 1.2	19 ± 1.0	22 ± 1.5	17 ± 2.5
333.0	16 ± 4.7	13 ± 1.3	22 ± 2.9	21 ± 2.1	18 ± 2.2
1000.0	11 ± 0.9	16 ± 1.5	19 ± 0.9	21 ± 1.5	14 ± 2.9
3333.0	11 ± 2.2	10 ± 0.7	17 ± 2.4	19 ± 1.5	14 ± 0.7
10000.0	11 ± 3.3	7 ± 0.9	14 ± 0.9	13 ± 3.7	12 ± 2.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			394 ± 6.1		498 ± 10.3
Positive Control ⁸	323 ± 9.2	383 ± 29.3			
Positive Control ⁵				296 ± 7.2	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	21 ± 2.1
100.0	16 ± 1.7
333.0	21 ± 2.9
1000.0	20 ± 4.7
3333.0	18 ± 4.0
10000.0	16 ± 2.8
Trial Summary	Negative
Positive Control ²	
Positive Control ⁸	
Positive Control ⁵	342 ± 8.6

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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: 24.0 ug/Plate 9-Aminoacridine

8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****