

Experiment Number: A86958

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Vinylpyridine

CAS Number: 100-69-6

Date Report Requested: 09/18/2018

Time Report Requested: 04:37:22

NTP Study Number:

A86958

Study Result:

Positive

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Strain: TA100				
Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	140 ± 3.5	132 ± 1.2	133 ± 6.7	86 ± 3.8
100.0	131 ± 13.0	137 ± 6.4	148 ± 15.5	
333.0	129 ± 17.9	121 ± 6.9	154 ± 14.0	94 ± 13.4
1000.0	147 ± 33.0	126 ± 5.8	214 ± 17.0	133 ± 14.9
2000.0				157 ± 23.6
3333.0	143 ± 6.8 ^p	164 ± 19.2 ^p	262 ± 7.2 ^p	150 ± 6.4
5000.0				23 ± 16.9 ^x
10000.0	0 ± 0.3 ^x	0 ± 0.0 ^x	82 ± 81.8 ^x	
Trial Summary	Negative	Negative	Positive	Weakly Positive
Positive Control ²	295 ± 2.8			
Positive Control ³			663 ± 28.1	635 ± 81.5
Positive Control ⁴		556 ± 16.6		

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	14 ± 2.9	9 ± 0.6	10 ± 0.9
100.0	10 ± 1.9		
333.0	11 ± 2.2	13 ± 1.5	14 ± 2.5
1000.0	16 ± 0.6	19 ± 2.0	19 ± 2.0
2000.0	20 ± 1.5	27 ± 1.5	19 ± 4.4
3333.0	26 ± 2.6	36 ± 3.3	22 ± 3.2 ^P
4000.0		37 ± 2.0	20 ± 1.5 ^P
Trial Summary	Weakly Positive	Positive	Positive
Positive Control ³	87 ± 11.6	49 ± 3.8	50 ± 7.2

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	21 ± 3.5	24 ± 4.0	17 ± 6.0	18 ± 4.5
100.0	24 ± 4.5	23 ± 8.2	21 ± 4.1	
333.0	32 ± 4.4	31 ± 1.3	17 ± 3.5	26 ± 2.7
1000.0	20 ± 4.1	33 ± 1.3	17 ± 2.4	21 ± 5.0
2000.0				23 ± 0.9
3333.0	18 ± 5.5 ^p	31 ± 5.8 ^p	27 ± 5.8 ^p	17 ± 2.1
5000.0				5 ± 0.6 ^x
10000.0	0 ± 0.3 ^x	1 ± 0.7 ^x	1 ± 1.3 ^x	
Trial Summary	Negative	Negative	Equivocal	Negative
Positive Control ³		360 ± 24.0	687 ± 36.1	467 ± 37.7
Positive Control ⁵	231 ± 30.3			

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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: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

x: Slight Toxicity and Precipitate

** END OF REPORT **