

Experiment Number: 955830

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

G06: Ames Summary Data

Test Compound: **Pyrilamine**

CAS Number: **91-84-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **17:27:51**

NTP Study Number:

955830

Study Result:

Negative

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G06: Ames Summary Data

Test Compound: Ppyrilamine

CAS Number: 91-84-9

Date Report Requested: 09/17/2018

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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	137 ± 6.2	127 ± 6.1	160 ± 6.0	127 ± 11.7	152 ± 3.3
10.0	110 ± 1.2	111 ± 6.8			
33.0	102 ± 7.2	120 ± 16.9		140 ± 8.1	
100.0	108 ± 6.2	104 ± 10.2	139 ± 8.4	123 ± 8.7	151 ± 6.4
333.0	101 ± 7.0	117 ± 7.8	132 ± 8.2	113 ± 5.9	158 ± 5.2
1000.0	0 ± 0.0 ^s	45 ± 22.3 ^s	129 ± 12.6	135 ± 11.8	163 ± 5.2
3333.0			59 ± 30.4	0 ± 0.0 ^s	120 ± 5.1
10000.0			0 ± 0.0 ^s		0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	244 ± 8.8	384 ± 20.7			
Positive Control ³			567 ± 27.7	706 ± 22.1	1148 ± 58.9

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	130 ± 8.2
10.0	
33.0	
100.0	125 ± 5.2
333.0	133 ± 2.5
1000.0	149 ± 11.6
3333.0	55 ± 27.4 ^s
10000.0	0 ± 0.0 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1186 ± 32.2

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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	24 ± 4.6	27 ± 5.8	18 ± 1.0	12 ± 2.0	13 ± 0.6
10.0	19 ± 2.3	21 ± 4.1			
33.0	22 ± 4.3	24 ± 4.0		12 ± 3.7	
100.0	21 ± 2.0	21 ± 2.8	16 ± 3.9	14 ± 0.6	15 ± 1.2
333.0	22 ± 2.5	20 ± 5.6	14 ± 1.5	12 ± 2.6	10 ± 3.2
1000.0	0 ± 0.0 ^s	9 ± 7.5 ^s	7 ± 1.2	10 ± 2.3	8 ± 0.6
3333.0			0 ± 0.0 ^s	0 ± 0.0 ^s	3 ± 0.6
10000.0			0 ± 0.0 ^s		0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	273 ± 6.1	334 ± 31.8			
Positive Control ⁴			144 ± 9.4	171 ± 8.1	389 ± 2.5

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Test Compound: Ppyrilamine
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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.9
10.0	
33.0	
100.0	6 ± 1.3
333.0	7 ± 1.2
1000.0	5 ± 0.9
3333.0	2 ± 0.9
10000.0	2 ± 0.0 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	362 ± 21.2

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 Test Compound: Ppyrilamine
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Date Report Requested: 09/17/2018
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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	7 ± 1.2	7 ± 1.2	10 ± 1.7	5 ± 1.2	7 ± 2.9
10.0	5 ± 0.3	5 ± 0.6			
33.0	6 ± 0.9	3 ± 0.7		13 ± 0.9	
100.0	5 ± 1.5	6 ± 0.9	8 ± 0.3	16 ± 1.2	6 ± 1.0
333.0	4 ± 0.9	3 ± 1.5	16 ± 1.7	15 ± 1.2	9 ± 1.5
1000.0	Toxic	1 ± 1.3 ^s	15 ± 1.8	11 ± 1.7	7 ± 1.2
3333.0			9 ± 2.3	0 ± 0.0 ^s	3 ± 0.6
10000.0			0 ± 0.0 ^s		0 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ⁴			205 ± 2.3	234 ± 21.4	537 ± 17.7
Positive Control ⁵	271 ± 10.6	149 ± 17.2			

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G06: Ames Summary Data
Test Compound: Ppyrilamine
CAS Number: 91-84-9

Date Report Requested: 09/17/2018
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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.7
10.0	
33.0	
100.0	4 ± 1.2
333.0	6 ± 1.7
1000.0	6 ± 2.0
3333.0	Toxic
10000.0	Toxic
Trial Summary	Negative
Positive Control ⁴	619 ± 10.4
Positive Control ⁵	

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G06: Ames Summary Data

Test Compound: Pyrilamine

CAS Number: 91-84-9

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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	17 ± 1.9	18 ± 0.3	28 ± 2.1	24 ± 1.7	27 ± 2.8
10.0	20 ± 3.0	14 ± 0.3			
33.0	20 ± 0.3	15 ± 1.5		25 ± 3.5	
100.0	13 ± 2.6	19 ± 0.6	47 ± 4.0	34 ± 3.5	38 ± 3.2
333.0	15 ± 3.2	18 ± 1.2	42 ± 3.3	42 ± 4.6	34 ± 7.2
1000.0	Toxic	8 ± 5.6 ^S	44 ± 0.7	37 ± 2.5	40 ± 3.7
3333.0			7 ± 7.0 ^S	0 ± 0.0 ^S	21 ± 6.9
10000.0			0 ± 0.0 ^S		0 ± 0.0 ^S
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ³			498 ± 33.0	507 ± 18.2	1093 ± 63.3
Positive Control ⁶	478 ± 11.9	725 ± 25.8			

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G06: Ames Summary Data
Test Compound: Ppyrilamine
CAS Number: 91-84-9

Date Report Requested: 09/17/2018
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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	26 ± 2.8
10.0	
33.0	
100.0	28 ± 4.6
333.0	23 ± 3.7
1000.0	33 ± 4.8
3333.0	7 ± 6.7 ^s
10000.0	0 ± 0.0 ^s
Trial Summary	Negative
Positive Control ³	1054 ± 43.7
Positive Control ⁶	

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G06: Ames Summary Data
Test Compound: **Pyrimidine**
CAS Number: **91-84-9**

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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 Sodium Azide
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 2.5 ug/Plate 2-Aminoanthracene
- 5: 50.0 ug/Plate 9-Aminoacridine
- 6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

**** END OF REPORT ****