

Experiment Number: 405690

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Propantheline bromide

CAS Number: 50-34-0

Date Report Requested: 09/14/2018

Time Report Requested: 17:16:38

NTP Study Number:

405690

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	160 ± 1.5	125 ± 3.2	110 ± 11.6	138 ± 8.0	135 ± 0.9
100.0	139 ± 2.0	118 ± 4.5	101 ± 51.0	140 ± 10.2	149 ± 12.8
333.0	129 ± 9.5	115 ± 7.8	146 ± 6.1	133 ± 11.4	147 ± 4.6
1000.0	129 ± 9.5	106 ± 4.7	125 ± 6.1	116 ± 9.3	126 ± 16.9
3333.0	102 ± 14.2	84 ± 7.4 ^S	107 ± 2.1	137 ± 5.8	88 ± 7.6
6666.0	50 ± 25.0 ^S	55 ± 12.9 ^S	76 ± 18.0 ^S	92 ± 6.0 ^S	57 ± 24.2 ^S
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ²	368 ± 42.0	625 ± 16.8			
Positive Control ³			802 ± 7.8	752 ± 39.9	1110 ± 561.2

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	137 ± 1.8
100.0	137 ± 10.0
333.0	81 ± 41.9
1000.0	117 ± 3.5
3333.0	99 ± 2.1 ^s
6666.0	60 ± 13.5 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1999 ± 81.6

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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	18 ± 1.8	17 ± 2.8	9 ± 1.5	14 ± 1.2	9 ± 0.9
100.0	20 ± 3.4	16 ± 2.8	14 ± 2.9	15 ± 0.7	10 ± 1.8
333.0	24 ± 1.8	22 ± 3.5	6 ± 0.0	14 ± 1.2	10 ± 2.3
1000.0	19 ± 2.6	20 ± 4.5	8 ± 2.6	12 ± 0.9	12 ± 1.7
3333.0	12 ± 3.5	8 ± 1.0	5 ± 0.6	9 ± 0.7 ^s	9 ± 1.8
6666.0	5 ± 4.4 ^s	3 ± 0.7 ^s	5 ± 0.3 ^s	6 ± 1.7 ^s	2 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	387 ± 9.0	761 ± 64.2			
Positive Control ⁴			236 ± 17.7	488 ± 24.2	458 ± 14.6

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 0.9
100.0	10 ± 1.5
333.0	9 ± 1.2
1000.0	8 ± 1.9
3333.0	8 ± 1.2
6666.0	5 ± 0.6 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	859 ± 54.2

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	188 ± 10.9	148 ± 6.1	114 ± 13.2	179 ± 8.1	189 ± 3.8
33.0			149 ± 8.7		168 ± 9.3
100.0	190 ± 12.2	161 ± 5.5	159 ± 5.5	193 ± 10.5	184 ± 18.6
333.0	187 ± 10.7	153 ± 9.5	133 ± 9.3	193 ± 8.5	160 ± 4.6
1000.0	131 ± 8.0	126 ± 6.7	126 ± 9.8	185 ± 6.2	143 ± 9.2
1666.0				182 ± 8.3	
3333.0	48 ± 41.0 ^s	84 ± 18.3 ^s	27 ± 11.0 ^s	161 ± 5.8 ^s	16 ± 6.2 ^s
6666.0	3 ± 2.1 ^s	11 ± 5.5 ^s			
Trial Summary	Negative	Negative	Weakly Positive	Negative	Negative
Positive Control ⁴				1220 ± 25.3	514 ± 5.5
Positive Control ⁵	843 ± 14.5	878 ± 168.1	1700 ± 29.6		

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	180 ± 4.4	152 ± 6.9
33.0	182 ± 9.5	143 ± 4.2
100.0	193 ± 4.6	145 ± 5.2
333.0	187 ± 5.4	152 ± 13.2
1000.0	188 ± 7.8	127 ± 12.7
1666.0		
3333.0	119 ± 20.4 ^s	15 ± 1.2 ^s
6666.0		
Trial Summary	Negative	Negative
Positive Control ⁴	1345 ± 64.0	1146 ± 32.8
Positive Control ⁵		

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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	19 ± 2.3	18 ± 0.9	32 ± 1.5	31 ± 1.5	39 ± 3.1
100.0	20 ± 2.2	18 ± 4.1	28 ± 1.2	27 ± 1.9	38 ± 0.3
333.0	17 ± 1.8	16 ± 3.8	43 ± 1.2	33 ± 0.9	38 ± 3.5
1000.0	20 ± 2.7	16 ± 1.3	32 ± 1.3	24 ± 3.0	34 ± 2.6
1666.0			38 ± 0.3		
3333.0	18 ± 2.7	16 ± 3.4 ^s	32 ± 1.2 ^s	30 ± 1.5	41 ± 3.8
6666.0	16 ± 1.2 ^s	12 ± 2.9 ^s		20 ± 4.8 ^s	29 ± 2.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			573 ± 14.4	651 ± 65.6	988 ± 90.6
Positive Control ⁶	743 ± 6.4	1445 ± 124.7			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	30 ± 1.2
100.0	26 ± 3.5
333.0	31 ± 3.6
1000.0	35 ± 0.9
1666.0	
3333.0	28 ± 2.1 ^s
6666.0	22 ± 2.7 ^s
Trial Summary	Negative
Positive Control ³	1690 ± 76.7
Positive Control 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: Water

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 **