

Experiment Number: 274985

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

G06: Ames Summary Data

Test Compound: **Propantheline bromide**

CAS Number: **50-34-0**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:18:53**

NTP Study Number:

274985

Study Result:

Negative

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Test Compound: Propantheline bromide

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Date Report Requested: 09/11/2018

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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	155 ± 14.7	146 ± 9.0	110 ± 11.0	165 ± 9.3	117 ± 4.2
1.0	145 ± 2.2	127 ± 13.7			
3.3	135 ± 9.0	138 ± 7.0	122 ± 9.6	158 ± 10.0	118 ± 5.0
10.0	167 ± 9.6	142 ± 5.9	109 ± 0.5	166 ± 2.7	107 ± 9.6
33.0	176 ± 4.0 ^s	139 ± 7.0 ^s	115 ± 7.3	169 ± 4.2	107 ± 2.4
100.0	141 ± 3.5 ^s	90 ± 3.3 ^s	125 ± 5.5	152 ± 0.9	116 ± 3.4
333.0			106 ± 3.0 ^s	127 ± 8.9 ^s	92 ± 9.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1062 ± 12.4
Positive Control ³			1398 ± 15.6	1397 ± 47.2	
Positive Control ⁴	1882 ± 48.0	1466 ± 37.7			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	166 ± 8.5
1.0	
3.3	160 ± 6.9
10.0	178 ± 4.4
33.0	153 ± 3.4
100.0	156 ± 6.7
333.0	122 ± 3.5 ^s
Trial Summary	Negative
Positive Control ²	1308 ± 27.6
Positive Control ³	
Positive Control ⁴	

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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	55 ± 1.7	36 ± 5.7	20 ± 4.3	26 ± 1.8	11 ± 3.4
1.0	44 ± 4.4	31 ± 0.9			
3.3	49 ± 4.4	33 ± 1.9	16 ± 1.2	20 ± 3.8	14 ± 1.8
10.0	43 ± 0.0	24 ± 0.9	13 ± 0.6	23 ± 2.0	11 ± 0.7
33.0	40 ± 5.0	32 ± 3.8	16 ± 1.2	32 ± 0.9	13 ± 1.5
100.0	41 ± 1.9 ^s	22 ± 3.4 ^s	13 ± 3.8	19 ± 0.6	12 ± 1.2
333.0			12 ± 0.9 ^s	17 ± 1.7 ^s	10 ± 1.9 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					188 ± 6.4
Positive Control ³			169 ± 3.5	126 ± 3.4	
Positive Control ⁴	1596 ± 52.2	1219 ± 15.7			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	18 ± 3.1
1.0	
3.3	19 ± 4.3
10.0	21 ± 1.2
33.0	20 ± 2.9
100.0	22 ± 2.5
333.0	15 ± 1.2 ^s
Trial Summary	Negative
Positive Control ²	160 ± 4.3
Positive Control ³	
Positive Control ⁴	

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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	11 ± 0.6	8 ± 1.8	10 ± 1.9	6 ± 1.5	9 ± 3.1
1.0	10 ± 1.8	4 ± 1.9			
3.3	9 ± 1.5	7 ± 1.9	11 ± 2.5	5 ± 0.6	8 ± 3.2
10.0	13 ± 1.3	10 ± 1.8	12 ± 1.5	4 ± 0.9	14 ± 4.5
33.0	10 ± 2.1	5 ± 1.7	9 ± 1.2	11 ± 3.1	11 ± 0.9
100.0	9 ± 2.0 ^s	5 ± 0.6 ^s	9 ± 2.7	8 ± 0.7	10 ± 1.2
333.0			8 ± 0.6 ^s	6 ± 0.9 ^s	10 ± 1.8 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					107 ± 9.6
Positive Control ³			125 ± 10.2	97 ± 2.7	
Positive Control ⁵	2387 ± 19.9 ^s	1485 ± 115.5			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 2.1
1.0	
3.3	8 ± 1.7
10.0	5 ± 1.2
33.0	6 ± 0.6
100.0	7 ± 1.7
333.0	7 ± 2.6 ^s
Trial Summary	Negative
Positive Control ²	87 ± 3.7
Positive Control ³	
Positive Control ⁵	

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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	20 ± 1.0	18 ± 1.5	30 ± 3.7	23 ± 1.0	36 ± 4.5
1.0	24 ± 2.0	15 ± 1.5			
3.3	21 ± 4.4	13 ± 1.2	38 ± 2.8	28 ± 3.5	33 ± 7.8
10.0	22 ± 3.0	16 ± 2.6	33 ± 1.2	32 ± 3.8	37 ± 2.9
33.0	22 ± 0.7	18 ± 3.7	36 ± 1.2	22 ± 3.2	34 ± 4.1
100.0	19 ± 0.9	13 ± 3.5	33 ± 0.3	27 ± 2.7	40 ± 5.9
333.0			37 ± 3.2	22 ± 3.4	36 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					847 ± 8.8
Positive Control ³			1026 ± 41.7	1062 ± 34.1	
Positive Control ⁶	1611 ± 58.6	1442 ± 39.7			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	21 ± 3.5
1.0	
3.3	21 ± 3.3
10.0	25 ± 3.5
33.0	21 ± 1.9
100.0	23 ± 1.0
333.0	26 ± 2.6
Trial Summary	Negative
Positive Control ²	1123 ± 22.3
Positive Control ³	
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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****