

Experiment Number: 919109

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Phenylpropanolamine hydrochloride

CAS Number: 154-41-6

Date Report Requested: 09/17/2018

Time Report Requested: 02:58:07

NTP Study Number:

919109

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	97 ± 8.0	130 ± 8.9	166 ± 7.8	142 ± 9.6	132 ± 3.9
100.0	78 ± 1.7	130 ± 17.4	152 ± 2.5	139 ± 6.7	131 ± 4.6
333.0	94 ± 9.1	112 ± 12.0	152 ± 1.8	125 ± 9.3	142 ± 3.5
1000.0	84 ± 7.0	133 ± 6.9	141 ± 14.4	139 ± 6.9	154 ± 2.3
3333.0	84 ± 1.7	125 ± 6.4	156 ± 9.9	135 ± 4.0	142 ± 11.4
10000.0	91 ± 2.8	86 ± 3.8	147 ± 11.9	136 ± 9.7	147 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					919 ± 36.4
Positive Control ³			380 ± 3.5		
Positive Control ⁴				359 ± 12.1	
Positive Control ⁵	1219 ± 41.3	660 ± 13.0			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	124 ± 8.7
100.0	114 ± 6.4
333.0	113 ± 7.3
1000.0	102 ± 5.6
3333.0	108 ± 1.7
10000.0	115 ± 8.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	678 ± 9.9
Positive Control ⁴	
Positive Control ⁵	

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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	9 ± 1.8	11 ± 3.4	13 ± 1.3	16 ± 2.8	13 ± 1.2
100.0	7 ± 2.6	10 ± 1.9	14 ± 1.5	13 ± 2.0	13 ± 1.8
333.0	8 ± 0.9	13 ± 2.0	14 ± 0.7	15 ± 1.0	16 ± 2.8
1000.0	7 ± 1.2	15 ± 1.7	12 ± 2.8	12 ± 3.4	12 ± 1.3
3333.0	8 ± 1.2	12 ± 2.1	15 ± 2.3	11 ± 2.6	14 ± 1.2
10000.0	5 ± 1.2	13 ± 0.9	14 ± 3.2	12 ± 4.3	16 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					63 ± 1.9
Positive Control ⁴			55 ± 3.7		
Positive Control ⁵	1220 ± 44.1	796 ± 25.1			
Positive Control ⁶				59 ± 3.9	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	6 ± 0.7
100.0	6 ± 0.7
333.0	8 ± 1.2
1000.0	9 ± 0.9
3333.0	9 ± 0.9
10000.0	7 ± 0.3
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	185 ± 6.6
Positive Control ⁵	
Positive Control ⁶	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9
Vehicle Control ¹	163 ± 10.1	187 ± 5.2	215 ± 10.7	182 ± 14.1	181 ± 15.3
10.0					
33.0					
100.0	182 ± 4.2	190 ± 4.2			
333.0	160 ± 16.4	186 ± 4.7	215 ± 9.4	190 ± 9.1	185 ± 6.1
1000.0	177 ± 9.7	194 ± 8.3	222 ± 2.3	165 ± 6.4	194 ± 19.1
3333.0	187 ± 7.8	222 ± 2.1	226 ± 8.7	175 ± 9.0	198 ± 8.1
6666.0			209 ± 4.7	185 ± 12.9	207 ± 13.6
10000.0	203 ± 2.0	232 ± 12.1	191 ± 3.0	203 ± 4.0	211 ± 5.5
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³				422 ± 20.8	311 ± 3.8
Positive Control ⁴					
Positive Control ⁷	378 ± 14.9	458 ± 6.7	651 ± 37.2		

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Strain: TA97

Dose (ug/Plate)	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	227 ± 13.9	207 ± 3.3	213 ± 12.3	252 ± 5.9	217 ± 11.4
10.0				209 ± 10.7	
33.0				210 ± 7.4	
100.0	240 ± 5.7	221 ± 5.2		211 ± 23.9	
333.0	255 ± 11.7	219 ± 5.7	252 ± 20.6	257 ± 13.8	212 ± 7.5
1000.0	217 ± 6.8	214 ± 3.8	266 ± 2.5	233 ± 7.2	210 ± 12.8
3333.0	234 ± 0.3	218 ± 7.8	224 ± 4.7	241 ± 18.2	215 ± 9.1
6666.0			291 ± 19.9	231 ± 17.4	208 ± 12.8
10000.0	233 ± 13.7	261 ± 8.0	274 ± 7.9	246 ± 19.9	209 ± 6.9
Trial Summary	Negative	Equivocal	Equivocal	Negative	Negative
Positive Control ²					
Positive Control ³	297 ± 14.6				
Positive Control ⁴		347 ± 5.5	310 ± 6.0	334 ± 28.4	405 ± 28.0
Positive Control ⁷					

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	183 ± 3.3	180 ± 13.9
10.0		
33.0		
100.0	196 ± 6.2	150 ± 8.4
333.0	200 ± 20.7	192 ± 9.6
1000.0	207 ± 7.7	158 ± 3.0
3333.0	193 ± 3.8	168 ± 4.4
6666.0		
10000.0	206 ± 9.7	203 ± 4.6
Trial Summary	Negative	Negative
Positive Control ²	588 ± 30.9	
Positive Control ³		399 ± 60.9
Positive Control ⁴		
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	9 ± 1.5	24 ± 5.0	39 ± 1.5	25 ± 4.4	31 ± 3.2
100.0	16 ± 2.1	18 ± 2.2	28 ± 1.5	16 ± 0.9	25 ± 4.4
333.0	16 ± 1.2	25 ± 4.6	29 ± 2.3	19 ± 2.6	26 ± 1.0
1000.0	13 ± 3.1	23 ± 3.5	25 ± 0.6	22 ± 2.2	26 ± 4.4
3333.0	17 ± 1.2	28 ± 0.7	26 ± 1.2	15 ± 1.5	23 ± 4.6
10000.0	15 ± 2.7	28 ± 3.5	30 ± 3.5	24 ± 3.0	26 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					790 ± 6.7
Positive Control ³			272 ± 24.8	150 ± 11.5	
Positive Control ⁸	692 ± 77.9	531 ± 42.0			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	16 ± 3.1
100.0	16 ± 1.2
333.0	14 ± 1.0
1000.0	18 ± 2.7
3333.0	18 ± 4.3
10000.0	21 ± 5.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	480 ± 37.8
Positive Control ⁸	

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****