

Experiment Number: A71860

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Dimethylaminopropyl chloride, hydrochloride

CAS Number: 5407-04-5

Date Report Requested: 09/17/2018

Time Report Requested: 18:44:27

**NTP Study Number:**

A71860

**Study Result:**

Positive

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Test Type: **Genetic Toxicology - Bacterial Mutagenicity**Test Compound: **Dimethylaminopropyl chloride, hydrochloride**

Time Report Requested: 18:44:27

CAS Number: 5407-04-5

**Strain: TA100**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	133 ± 5.8	107 ± 5.0	123 ± 5.4	126 ± 16.3	135 ± 9.8
100.0	105 ± 4.5	100 ± 7.4	107 ± 3.2	179 ± 2.5	132 ± 7.0
333.0	122 ± 6.2	176 ± 4.7	128 ± 9.3	192 ± 8.5	133 ± 9.8
1000.0	156 ± 12.2	183 ± 9.0	167 ± 12.3	196 ± 4.6	165 ± 5.4
3333.0	220 ± 24.2	237 ± 15.0	205 ± 4.7	263 ± 12.2	278 ± 8.6
10000.0	441 ± 24.5	457 ± 15.2	453 ± 21.3	626 ± 26.1	455 ± 17.1
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>					559 ± 21.4
Positive Control <sup>3</sup>	837 ± 14.4	958 ± 67.4			
Positive Control <sup>4</sup>			437 ± 10.6	712 ± 36.2	

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	136 ± 6.2
100.0	166 ± 11.3
333.0	176 ± 9.5
1000.0	191 ± 12.5
3333.0	369 ± 12.6
10000.0	696 ± 50.7
Trial Summary	Positive
Positive Control <sup>2</sup>	905 ± 85.6
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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Test Type: Genetic Toxicology - Bacterial  
MutagenicityTest Compound: Dimethylaminopropyl chloride, hydrochloride  
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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 1.9	12 ± 1.5	13 ± 2.1	16 ± 1.5	10 ± 2.8
100.0	20 ± 0.3	34 ± 6.1	21 ± 2.0	19 ± 0.6	11 ± 3.8
333.0	23 ± 3.4	41 ± 5.0	28 ± 4.7	48 ± 2.4	20 ± 5.2
1000.0	56 ± 3.2	136 ± 16.6	63 ± 7.1	155 ± 26.8	76 ± 6.2
3333.0	148 ± 11.0	194 ± 14.8	166 ± 8.9	280 ± 7.5	183 ± 20.9
10000.0	365 ± 10.4	470 ± 14.2	502 ± 9.6	654 ± 30.7	509 ± 11.7
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>3</sup>	955 ± 8.3	1133 ± 65.9			
Positive Control <sup>4</sup>					333 ± 15.3
Positive Control <sup>5</sup>			231 ± 32.4	198 ± 11.6	

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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	10 ± 1.8
100.0	30 ± 2.6
333.0	65 ± 5.5
1000.0	151 ± 8.6
3333.0	445 ± 21.4
10000.0	846 ± 45.2
Trial Summary	Positive
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	591 ± 67.2
Positive Control <sup>5</sup>	

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**Strain: TA97**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	158 ± 10.4	175 ± 9.8	172 ± 10.5
100.0	172 ± 7.5	184 ± 0.9	171 ± 16.6
333.0	159 ± 14.8	182 ± 7.1	186 ± 4.6
1000.0	171 ± 9.7	185 ± 18.6	181 ± 6.4
3333.0	189 ± 2.4	176 ± 14.3	145 ± 12.0
10000.0	169 ± 15.8	163 ± 7.8	147 ± 9.2
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>			626 ± 24.9
Positive Control <sup>4</sup>		586 ± 38.7	
Positive Control <sup>6</sup>	623 ± 23.5		

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	22 ± 1.8	21 ± 3.2	19 ± 4.1
100.0	15 ± 3.0	17 ± 4.2	19 ± 1.9
333.0	17 ± 1.3	21 ± 1.5	13 ± 2.0
1000.0	17 ± 1.5	13 ± 1.3	18 ± 5.5
3333.0	13 ± 2.3	17 ± 2.6	17 ± 4.7
10000.0	13 ± 2.0	21 ± 5.3	19 ± 2.3
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>			534 ± 13.2
Positive Control <sup>7</sup>	340 ± 9.2		
Positive Control <sup>4</sup>		514 ± 6.7	

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**LEGEND**

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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: 2.0 ug/Plate 2-Aminoanthracene

3: 5.0 ug/Plate Sodium Azide

4: 5.0 ug/Plate 2-Aminoanthracene

5: 10.0 ug/Plate 2-Aminoanthracene

6: 50.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**\*\* END OF REPORT \*\***