

Experiment Number: 493413

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

**G06: Ames Summary Data**

Test Compound: **9-Aminoacridine, monohydrochloride, monohydrate**

CAS Number: 52417-22-8

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

Time Report Requested: **23:23:49**

**NTP Study Number:**

493413

**Study Result:**

Positive

Experiment Number: 493413

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CAS Number: 52417-22-8

**Strain: TA100**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	138 ± 1.5	144 ± 5.0	121 ± 8.7	156 ± 7.0	157 ± 10.7
0.3				149 ± 11.8	
1.0	125 ± 1.5	140 ± 17.5			
3.3	121 ± 7.8	143 ± 4.3	159 ± 8.6		188 ± 12.0
10.0	137 ± 3.2	151 ± 5.5	189 ± 12.2	210 ± 10.3	205 ± 4.5
33.0	128 ± 1.2	149 ± 6.4	236 ± 31.8	279 ± 13.0	288 ± 5.5
100.0	123 ± 17.1 <sup>s</sup>	151 ± 6.6 <sup>s</sup>	318 ± 13.3	330 ± 13.7	407 ± 6.6
200.0				324 ± 20.2	
333.0			118 ± 12.8 <sup>s</sup>	136 ± 8.1 <sup>s</sup>	147 ± 3.0 <sup>s</sup>
Trial Summary	Negative	Negative	Positive	Weakly Positive	Positive
Positive Control <sup>2</sup>					1318 ± 27.3
Positive Control <sup>3</sup>			1350 ± 24.4	1273 ± 23.2	
Positive Control <sup>4</sup>	1085 ± 35.9	1142 ± 30.1			

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	156 ± 3.8
0.3	171 ± 8.5
1.0	
3.3	
10.0	230 ± 15.4
33.0	303 ± 12.3
100.0	438 ± 33.5
200.0	366 ± 3.3
333.0	68 ± 5.0 <sup>s</sup>
Trial Summary	Positive
Positive Control <sup>2</sup>	1337 ± 64.9
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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**Strain: TA1535**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	29 ± 7.0	15 ± 1.5	11 ± 1.2
1.0	34 ± 5.2		
3.3	29 ± 4.0	18 ± 2.5	13 ± 6.0
10.0	31 ± 2.2	14 ± 0.3	16 ± 2.4
33.0	30 ± 2.0	18 ± 2.9	20 ± 2.3
100.0	19 ± 1.9 <sup>s</sup>	15 ± 3.9	19 ± 0.3
333.0		7 ± 0.9 <sup>s</sup>	4 ± 0.3 <sup>s</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>			67 ± 2.4
Positive Control <sup>3</sup>		73 ± 1.0	
Positive Control <sup>4</sup>	784 ± 29.4		

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**G06: Ames Summary Data**

Date Report Requested: 09/11/2018

Test Type: **Genetic Toxicology - Bacterial  
Mutagenicity**Test Compound: **9-Aminoacridine, monohydrochloride, monohydrate**

Time Report Requested: 23:23:49

CAS Number: 52417-22-8

**Strain: TA1537**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	8 ± 0.3	6 ± 2.0	11 ± 2.6	6 ± 1.9	10 ± 1.0
1.0	6 ± 0.7	8 ± 0.3			
2.0		11 ± 1.3			
3.3	92 ± 3.5	163 ± 20.2	14 ± 1.0	12 ± 2.0	16 ± 2.6
10.0	461 ± 37.2	1313 ± 146.1	53 ± 6.1	20 ± 5.4	68 ± 1.9
20.0				182 ± 10.1	
33.0	49 ± 3.8	128 ± 16.3	1300 ± 9.1	1021 ± 46.7	1424 ± 98.9
100.0	470 ± 36.5 <sup>s</sup>	341 ± 51.7 <sup>s</sup>	1111 ± 67.1	1759 ± 121.3	675 ± 51.4
333.0			3688 ± 87.1 <sup>s</sup>	3692 ± 54.7 <sup>s</sup>	3389 ± 42.7 <sup>s</sup>
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>					112 ± 9.2
Positive Control <sup>3</sup>			113 ± 5.4	115 ± 4.4	
Positive Control <sup>5</sup>	312 ± 78.3	489 ± 80.1			

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Test Type: Genetic Toxicology - Bacterial  
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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	6 ± 1.0
1.0	
2.0	
3.3	6 ± 1.8
10.0	68 ± 11.9
20.0	898 ± 71.3
33.0	2170 ± 157.1
100.0	1407 ± 132.1
333.0	3617 ± 65.3 <sup>s</sup>
Trial Summary	Positive
Positive Control <sup>2</sup>	114 ± 5.0
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	

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**Strain: TA98**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	18 ± 0.3	29 ± 2.9	37 ± 4.1
1.0	13 ± 1.5		
3.3	13 ± 2.5	35 ± 2.9	36 ± 2.2
10.0	14 ± 1.5	29 ± 3.8	40 ± 2.6
33.0	17 ± 3.1	40 ± 3.6	51 ± 2.4
100.0	14 ± 2.0 <sup>s</sup>	40 ± 5.5	46 ± 2.8
333.0		24 ± 2.7 <sup>s</sup>	27 ± 3.2 <sup>s</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>			1172 ± 43.6
Positive Control <sup>3</sup>		1139 ± 11.9	
Positive Control <sup>6</sup>	1075 ± 22.8		

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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: Dimethyl Sulfoxide

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 \*\***