

Experiment Number: 874511

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

**G06: Ames Summary Data**

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

CAS Number: 52417-22-8

Date Report Requested: **09/16/2018**

Time Report Requested: **16:54:22**

**NTP Study Number:**

874511

**Study Result:**

Positive

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**Strain: TA100**

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<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>	92 ± 1.3	129 ± 5.5	127 ± 6.0
3.3	76 ± 4.7	132 ± 6.7	124 ± 1.7
10.0	98 ± 0.5	144 ± 5.0	154 ± 12.9
33.0	99 ± 5.1	154 ± 4.9	137 ± 1.5
100.0	85 ± 7.2	139 ± 11.9	181 ± 4.6
333.0	13 ± 0.3	59 ± 14.1	Toxic
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>		1660 ± 54.6	2102 ± 164.8
Positive Control <sup>3</sup>	420 ± 16.9		

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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>	6 ± 1.2	11 ± 1.2	11 ± 0.9
3.3	7 ± 1.5	7 ± 1.0	8 ± 2.5
10.0	8 ± 0.6	11 ± 4.8	5 ± 0.7
33.0	4 ± 1.2	7 ± 3.6	5 ± 1.7
100.0	1 ± 0.9	4 ± 0.3	5 ± 1.0
333.0	0 ± 0.3	3 ± 3.0	Toxic
Trial Summary	Negative	Negative	Negative
Positive Control <sup>4</sup>		148 ± 11.8	67 ± 6.6
Positive Control <sup>3</sup>	409 ± 192.4		

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Time Report Requested: 16:54:22

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>	6 ± 0.0	5 ± 0.9	6 ± 1.7	5 ± 0.3	9 ± 1.5
3.3	10 ± 3.6	6 ± 2.2	8 ± 2.7	9 ± 3.0	10 ± 2.6
10.0	10 ± 3.2	7 ± 0.6	296 ± 126.5	53 ± 1.2	260 ± 120.2
33.0	37 ± 8.0	23 ± 4.0	2493 ± 55.9	2014 ± 81.3	2622 ± 51.1
100.0	1543 ± 184.7	869 ± 114.0	2379 ± 40.1	2042 ± 136.4	2536 ± 109.5
333.0	88 ± 27.0	12 ± 11.7	1155 ± 291.2	258 ± 130.0	876 ± 128.5
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>4</sup>			431 ± 13.6	49 ± 3.5	306 ± 94.4
Positive Control <sup>5</sup>	182 ± 55.1	186 ± 27.0			

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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>	5 ± 0.9
3.3	12 ± 1.0
10.0	45 ± 4.3
33.0	1928 ± 78.4
100.0	1761 ± 134.5
333.0	83 ± 5.8
Trial Summary	Positive
Positive Control <sup>4</sup>	88 ± 9.8
Positive Control <sup>5</sup>	

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**Strain: TA98**

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<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>	16 ± 0.6	19 ± 2.4	21 ± 2.2
3.3	17 ± 2.3	17 ± 4.5	21 ± 2.3
10.0	15 ± 3.0	20 ± 2.2	17 ± 1.5
33.0	16 ± 0.9	27 ± 2.0	29 ± 5.5
100.0	13 ± 0.9	14 ± 0.6	14 ± 1.5
333.0	Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>		1388 ± 78.5	1937 ± 32.6
Positive Control <sup>6</sup>	277 ± 22.0		

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

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