

Experiment Number: 943441

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Dulcin

CAS Number: 150-69-6

Date Report Requested: 09/17/2018

Time Report Requested: 13:00:54

**NTP Study Number:**

943441

**Study Result:**

Negative

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Date Report Requested: 09/17/2018

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**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>	136 ± 11.3	135 ± 8.7	163 ± 20.3	179 ± 11.1	152 ± 4.3
100.0	162 ± 10.3	152 ± 6.3	185 ± 9.8	185 ± 9.7	184 ± 1.5
333.0	171 ± 11.3	160 ± 5.8	180 ± 5.0	184 ± 7.8	165 ± 2.2
1000.0	164 ± 15.5	147 ± 13.6	190 ± 11.9	194 ± 14.7	188 ± 7.1
3333.0	170 ± 10.7	169 ± 3.8	182 ± 5.8	187 ± 8.8	175 ± 3.0
10000.0	173 ± 15.6	163 ± 22.9	185 ± 5.4	190 ± 10.3	196 ± 5.2
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control <sup>2</sup>			557 ± 25.2	921 ± 154.0	1397 ± 56.1
Positive Control <sup>3</sup>	667 ± 65.4	804 ± 22.3			

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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>	152 ± 4.3
100.0	179 ± 3.2
333.0	164 ± 1.8
1000.0	187 ± 7.5
3333.0	171 ± 5.6
10000.0	181 ± 7.9
Trial Summary	Negative
Positive Control <sup>2</sup>	2142 ± 29.8
Positive Control <sup>3</sup>	

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

Time Report Requested: 13:00:54

**Strain: TA1535**

<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>	4 ± 0.3	8 ± 2.2	5 ± 1.0	7 ± 1.2	4 ± 0.6
100.0	4 ± 0.6	7 ± 1.5	4 ± 1.2	6 ± 1.5	2 ± 0.3
333.0	5 ± 0.9	7 ± 1.8	5 ± 0.3	6 ± 0.3	3 ± 1.2
1000.0	5 ± 0.3	7 ± 1.7	3 ± 0.9	11 ± 3.5	3 ± 0.9
3333.0	5 ± 0.9	7 ± 2.2	6 ± 0.6	8 ± 2.0	3 ± 0.3
10000.0	5 ± 1.5	6 ± 2.3	2 ± 0.3	8 ± 2.6	3 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			23 ± 0.7	58 ± 6.7	35 ± 3.0
Positive Control <sup>3</sup>	326 ± 19.5	1078 ± 22.2			

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G06: Ames Summary Data  
Test Compound: Dulcin  
CAS Number: 150-69-6

Date Report Requested: 09/17/2018  
Time Report Requested: 13:00:54

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	8 ± 2.3
100.0	9 ± 3.2
333.0	8 ± 2.2
1000.0	5 ± 0.7
3333.0	7 ± 0.6
10000.0	4 ± 0.9
Trial Summary	Negative
Positive Control <sup>2</sup>	223 ± 10.6
Positive Control <sup>3</sup>	

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## G06: Ames Summary Data

Test Compound: Dulcin

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Date Report Requested: 09/17/2018

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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 <sup>1</sup>	4 ± 1.0	5 ± 0.3	9 ± 1.5	6 ± 1.3	6 ± 0.6
100.0	4 ± 0.3	5 ± 0.3	9 ± 1.0	8 ± 0.9	7 ± 1.7
333.0	3 ± 0.3	5 ± 0.7	7 ± 0.9	7 ± 1.2	8 ± 1.5
1000.0	6 ± 1.2	7 ± 0.9	5 ± 0.3	7 ± 1.5	4 ± 0.3
3333.0	5 ± 1.0	5 ± 1.0	10 ± 1.5	8 ± 1.2	8 ± 0.7
10000.0	3 ± 0.9	5 ± 0.6	7 ± 0.3	7 ± 1.0	5 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			60 ± 7.3	54 ± 6.7	238 ± 6.2
Positive Control <sup>4</sup>	2565 ± 264.4	995 ± 53.3			

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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 ± 0.3
100.0	6 ± 1.3
333.0	6 ± 0.9
1000.0	5 ± 0.3
3333.0	7 ± 0.9
10000.0	5 ± 0.3
Trial Summary	Negative
Positive Control <sup>2</sup>	288 ± 18.4
Positive Control <sup>4</sup>	

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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 <sup>1</sup>	15 ± 2.0	14 ± 1.0	17 ± 1.3	16 ± 0.3	20 ± 1.5
100.0	15 ± 1.8	15 ± 2.1	16 ± 0.7	14 ± 1.2	22 ± 2.6
333.0	11 ± 1.0	15 ± 2.4	27 ± 2.7	21 ± 3.2	20 ± 1.2
1000.0	12 ± 2.3	13 ± 1.2	21 ± 2.1	19 ± 0.7	16 ± 0.9
3333.0	13 ± 1.5	14 ± 3.1	21 ± 0.6	20 ± 0.0	17 ± 1.7
10000.0	14 ± 2.9	13 ± 1.5	18 ± 1.0	16 ± 0.9	23 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			307 ± 55.1	391 ± 22.0	878 ± 31.2
Positive Control <sup>5</sup>	126 ± 4.5	294 ± 49.5			



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	19 ± 1.0
100.0	19 ± 0.9
333.0	17 ± 1.2
1000.0	14 ± 0.6
3333.0	16 ± 2.6
10000.0	20 ± 1.5
Trial Summary	Negative
Positive Control <sup>2</sup>	1657 ± 34.2
Positive Control <sup>5</sup>	

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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: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

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