

Experiment Number: 850859

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Stearatochromic chloride complex

CAS Number: 15242-96-3

Date Report Requested: 09/16/2018

Time Report Requested: 08:44:57

**NTP Study Number:**

850859

**Study Result:**

Positive

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## G06: Ames Summary Data

Test Compound: Stearatochromic chloride complex  
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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control <sup>1</sup>	145 ± 2.3	99 ± 14.6	101 ± 13.0	134 ± 2.1	120 ± 1.8
33.0					114 ± 4.2
100.0	141 ± 9.2 <sup>S</sup>	109 ± 7.2	113 ± 2.3	150 ± 11.9	128 ± 4.2
333.0	140 ± 1.9 <sup>S</sup>	115 ± 9.0	109 ± 8.2	127 ± 7.9	124 ± 5.8
1000.0	149 ± 9.8 <sup>S</sup>	128 ± 2.6	129 ± 2.7	129 ± 12.8	122 ± 10.9
3333.0	195 ± 7.3 <sup>S</sup>	172 ± 3.7 <sup>P</sup>	168 ± 6.6	125 ± 4.7	123 ± 5.2 <sup>P</sup>
6667.0		204 ± 3.4 <sup>P</sup>	189 ± 8.9 <sup>P</sup>		
10000.0	239 ± 18.4 <sup>S</sup>	257 ± 18.3 <sup>P</sup>	241 ± 10.2 <sup>P</sup>	118 ± 3.9 <sup>P</sup>	
Trial Summary	Equivocal	Positive	Positive	Negative	Negative
Positive Control <sup>2</sup>			365 ± 11.3		
Positive Control <sup>3</sup>					
Positive Control <sup>4</sup>				1326 ± 23.7	
Positive Control <sup>5</sup>					450 ± 13.1
Positive Control <sup>6</sup>	1550 ± 54.0	952 ± 32.6			

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	134 ± 3.3	121 ± 2.4
33.0		119 ± 9.5
100.0	132 ± 8.1	127 ± 4.1
333.0	138 ± 9.0	124 ± 9.6
1000.0	134 ± 9.3	115 ± 7.8
3333.0	122 ± 4.8	119 ± 3.2 <sup>p</sup>
6667.0		
10000.0	134 ± 12.2 <sup>p</sup>	
Trial Summary	Negative	Negative
Positive Control <sup>2</sup>		
Positive Control <sup>3</sup>	844 ± 37.0	
Positive Control <sup>4</sup>		
Positive Control <sup>5</sup>		775 ± 16.0
Positive Control <sup>6</sup>		

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control <sup>1</sup>	34 ± 0.3	9 ± 1.3	21 ± 3.0	12 ± 3.5	11 ± 1.8
33.0					8 ± 1.5
100.0	29 ± 2.3 <sup>s</sup>	15 ± 1.9	18 ± 2.6	11 ± 2.6	9 ± 1.2
333.0	24 ± 2.1 <sup>s</sup>	19 ± 1.5	21 ± 1.5	15 ± 3.2	15 ± 2.3
1000.0	23 ± 1.9 <sup>s</sup>	13 ± 1.5	20 ± 3.8	12 ± 1.8	10 ± 1.8
3333.0	29 ± 3.8 <sup>s</sup>	20 ± 0.9 <sup>p</sup>	25 ± 2.7	14 ± 1.8	7 ± 1.5 <sup>p</sup>
6667.0		30 ± 2.6 <sup>p</sup>	34 ± 2.1 <sup>p</sup>		
10000.0	46 ± 5.0 <sup>p</sup>	37 ± 4.1 <sup>p</sup>	52 ± 1.5 <sup>p</sup>	15 ± 1.7 <sup>p</sup>	
Trial Summary	Negative	Positive	Equivocal	Negative	Negative
Positive Control <sup>2</sup>			251 ± 15.2		
Positive Control <sup>3</sup>					
Positive Control <sup>4</sup>				95 ± 8.1	
Positive Control <sup>5</sup>					76 ± 3.2
Positive Control <sup>6</sup>	1012 ± 20.5	570 ± 13.0			

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	11 ± 1.5	10 ± 0.3
33.0		15 ± 1.2
100.0	19 ± 3.5	11 ± 3.0
333.0	13 ± 1.8	10 ± 2.1
1000.0	12 ± 2.9	12 ± 2.7
3333.0	9 ± 1.9	12 ± 2.1 <sup>p</sup>
6667.0		
10000.0	13 ± 2.4 <sup>p</sup>	
Trial Summary	Negative	Negative
Positive Control <sup>2</sup>		
Positive Control <sup>3</sup>	66 ± 4.7	
Positive Control <sup>4</sup>		
Positive Control <sup>5</sup>		79 ± 9.4
Positive Control <sup>6</sup>		

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MutagenicityTest Compound: Stearatochromic chloride complex  
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## Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	220 ± 11.0	232 ± 12.8	152 ± 1.9	273 ± 7.7	142 ± 12.0
33.0			143 ± 4.8		142 ± 14.6
100.0	204 ± 14.1 <sup>s</sup>	294 ± 4.1	134 ± 10.3	260 ± 7.6	153 ± 10.4
333.0	227 ± 12.5 <sup>s</sup>	277 ± 8.8	154 ± 3.8	249 ± 11.6	135 ± 9.7
1000.0	187 ± 3.5 <sup>s</sup>	250 ± 4.4	128 ± 2.1	243 ± 10.1	134 ± 10.2
3333.0	210 ± 3.3 <sup>s</sup>	196 ± 18.5	133 ± 10.3 <sup>p</sup>	231 ± 24.9	129 ± 3.5 <sup>p</sup>
6667.0					
10000.0	184 ± 3.5 <sup>p</sup>	185 ± 13.1 <sup>p</sup>		203 ± 9.7 <sup>p</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>				768 ± 14.7	
Positive Control <sup>4</sup>		1112 ± 0.7			
Positive Control <sup>5</sup>			332 ± 12.4		412 ± 19.9
Positive Control <sup>7</sup>	839 ± 23.7				

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## G06: Ames Summary Data

Test Compound: Stearatochromic chloride complex  
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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 <sup>1</sup>	18 ± 1.7	15 ± 3.1	30 ± 2.6	25 ± 2.2	32 ± 1.9
33.0				27 ± 0.6	
100.0	15 ± 3.2 <sup>S</sup>	15 ± 2.7	35 ± 5.8	27 ± 3.5	31 ± 5.7
333.0	17 ± 2.1 <sup>S</sup>	16 ± 1.5	34 ± 3.8	30 ± 4.3	32 ± 2.0
1000.0	23 ± 2.6 <sup>S</sup>	19 ± 0.7	32 ± 3.8	28 ± 3.6	27 ± 0.6
3333.0	26 ± 4.5 <sup>S</sup>	18 ± 0.3 <sup>P</sup>	30 ± 5.2	33 ± 1.2 <sup>P</sup>	29 ± 3.8
6667.0		19 ± 2.0 <sup>P</sup>			
10000.0	27 ± 4.5 <sup>P</sup>	23 ± 4.7 <sup>P</sup>	30 ± 2.8 <sup>P</sup>		31 ± 3.8 <sup>P</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					1005 ± 25.4
Positive Control <sup>4</sup>			1345 ± 17.0		
Positive Control <sup>5</sup>				259 ± 14.2	
Positive Control <sup>8</sup>	2160 ± 19.0	1438 ± 45.5			

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	24 ± 4.5
33.0	29 ± 1.9
100.0	23 ± 4.9
333.0	32 ± 0.3
1000.0	27 ± 4.7
3333.0	26 ± 2.4 <sup>p</sup>
6667.0	
10000.0	
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	406 ± 17.4
Positive Control <sup>8</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: Water

2: 0.5 ug/Plate Sodium Azide

3: 0.75 ug/Plate 2-Aminoanthracene

4: 1.5 ug/Plate 2-Aminoanthracene

5: 2.0 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate Sodium Azide

7: 4.0 ug/Plate 9-Aminoacridine

8: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

s: Slight Toxicity

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