

Experiment Number: 998255

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2-Heptadecyl-3-hydroxyethylimidazoline

CAS Number: 95-19-2

Date Report Requested: 09/15/2018

Time Report Requested: 10:23:19

**NTP Study Number:**

998255

**Study Result:**

Negative

Experiment Number: 998255

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2-Heptadecyl-3-hydroxyethylimidazoline  
CAS Number: 95-19-2

Date Report Requested: 09/15/2018

Time Report Requested: 10:23:19

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	157 ± 6.8	134 ± 15.3	163 ± 5.5	136 ± 4.5	165 ± 6.9
0.03		142 ± 7.3			
0.1	152 ± 3.6	129 ± 5.8			
0.3	146 ± 4.4	134 ± 3.1			
1.0	153 ± 6.1	129 ± 10.5	163 ± 8.0	139 ± 3.8	167 ± 9.4
2.2		118 ± 10.7 <sup>s</sup>			
3.3	Toxic		156 ± 5.2	158 ± 7.7	158 ± 4.2
10.0	Toxic		153 ± 5.2	136 ± 3.1	164 ± 5.2
33.0			150 ± 3.2	158 ± 14.4	156 ± 2.5
100.0			126 ± 10.7 <sup>s</sup>	133 ± 16.5 <sup>s</sup>	128 ± 1.8 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1179 ± 41.7
Positive Control <sup>3</sup>			849 ± 15.4	677 ± 33.2	
Positive Control <sup>4</sup>	1079 ± 51.3	1008 ± 26.7			

Experiment Number: 998255

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2-Heptadecyl-3-hydroxyethylimidazoline  
CAS Number: 95-19-2

Date Report Requested: 09/15/2018

Time Report Requested: 10:23:19

---

**Strain: TA100**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	130 ± 5.8
0.03	
0.1	
0.3	
1.0	159 ± 8.0
2.2	
3.3	141 ± 4.0
10.0	142 ± 10.3
33.0	144 ± 12.2
100.0	124 ± 1.9 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	518 ± 14.7
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

Experiment Number: 998255

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2-Heptadecyl-3-hydroxyethylimidazoline  
CAS Number: 95-19-2

Date Report Requested: 09/15/2018

Time Report Requested: 10:23:19

## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	58 ± 6.4	41 ± 5.0	23 ± 2.8	41 ± 2.3	62 ± 3.9
0.03		59 ± 5.8	34 ± 1.3		
0.1	37 ± 1.9	48 ± 4.5	26 ± 4.7		
0.3	43 ± 4.9	44 ± 4.4	29 ± 1.5		
1.0	46 ± 3.0	47 ± 3.4	26 ± 4.8	40 ± 5.7	56 ± 2.6
2.2		36 ± 4.9 <sup>s</sup>	23 ± 4.2 <sup>s</sup>		
3.3	5 ± 0.5 <sup>s</sup>			45 ± 3.7	52 ± 5.7
10.0	Toxic			47 ± 5.3	58 ± 2.9
33.0				46 ± 1.2	63 ± 6.9
100.0				24 ± 8.5 <sup>s</sup>	37 ± 4.2 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					
Positive Control <sup>3</sup>				145 ± 10.0	106 ± 7.2
Positive Control <sup>4</sup>	865 ± 28.6	694 ± 29.8	675 ± 23.7		

Experiment Number: 998255

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2-Heptadecyl-3-hydroxyethylimidazoline  
CAS Number: 95-19-2

Date Report Requested: 09/15/2018

Time Report Requested: 10:23:19

## Strain: TA1535

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	30 ± 3.8	48 ± 1.2	57 ± 6.4	35 ± 3.2
0.03				
0.1				
0.3				
1.0	36 ± 2.8	41 ± 3.0	63 ± 3.8	25 ± 0.9
2.2				
3.3	40 ± 3.4	42 ± 3.8	57 ± 2.2	34 ± 2.5
10.0	33 ± 6.4	42 ± 1.5	62 ± 2.9	32 ± 0.6
33.0	32 ± 2.4	36 ± 2.6	54 ± 10.3	25 ± 1.2
100.0	28 ± 2.1 <sup>s</sup>	35 ± 0.9 <sup>s</sup>	60 ± 7.1 <sup>s</sup>	33 ± 2.9 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>		205 ± 8.2	120 ± 8.3	91 ± 7.1
Positive Control <sup>3</sup>	109 ± 5.2			
Positive Control <sup>4</sup>				

Experiment Number: 998255

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2-Heptadecyl-3-hydroxyethylimidazoline  
CAS Number: 95-19-2

Date Report Requested: 09/15/2018

Time Report Requested: 10:23:19

## 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>	5 ± 1.8	7 ± 1.2	7 ± 1.5	9 ± 1.5	11 ± 1.0
0.03		7 ± 2.3			
0.1	9 ± 2.3	6 ± 0.6			
0.3	6 ± 0.0	6 ± 0.3			
1.0	5 ± 1.2	5 ± 0.9	7 ± 1.3	7 ± 0.9	9 ± 2.3
2.2		5 ± 0.0 <sup>s</sup>			
3.3	Toxic		7 ± 0.9	12 ± 1.2	7 ± 0.6
10.0	Toxic		10 ± 1.5	9 ± 2.2	11 ± 2.7
33.0			10 ± 0.9	9 ± 0.3	8 ± 1.7
100.0			10 ± 0.9 <sup>s</sup>	7 ± 0.9 <sup>s</sup>	8 ± 2.1 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					115 ± 6.8
Positive Control <sup>3</sup>			97 ± 3.8	72 ± 7.2	
Positive Control <sup>5</sup>	1061 ± 74.5	214 ± 39.8			

Experiment Number: 998255

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2-Heptadecyl-3-hydroxyethylimidazoline  
CAS Number: 95-19-2

Date Report Requested: 09/15/2018

Time Report Requested: 10:23:19

---

**Strain: TA1537**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	7 ± 1.2
0.03	
0.1	
0.3	
1.0	8 ± 0.9
2.2	
3.3	5 ± 1.2
10.0	9 ± 2.3
33.0	8 ± 1.5
100.0	11 ± 2.5 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	49 ± 5.6
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	

Experiment Number: 998255

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2-Heptadecyl-3-hydroxyethylimidazoline  
CAS Number: 95-19-2

Date Report Requested: 09/15/2018

Time Report Requested: 10:23:19

## 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>	27 ± 2.9	25 ± 4.1	40 ± 2.7	39 ± 4.0	40 ± 3.1
0.03		22 ± 2.7			
0.1	28 ± 0.9	20 ± 5.5			
0.3	24 ± 0.3	25 ± 5.8			
1.0	26 ± 2.0	26 ± 4.0	43 ± 3.2	41 ± 4.9	34 ± 3.1
2.2		24 ± 3.2 <sup>s</sup>			
3.3	22 ± 5.5 <sup>s</sup>		42 ± 3.1	36 ± 2.4	39 ± 1.2
10.0	Toxic		40 ± 3.5	42 ± 3.8	45 ± 1.5
33.0			41 ± 4.0	41 ± 5.5	36 ± 1.5
100.0			29 ± 2.4 <sup>s</sup>	38 ± 6.1 <sup>s</sup>	41 ± 4.5 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1233 ± 42.0
Positive Control <sup>3</sup>			931 ± 32.2	758 ± 17.8	
Positive Control <sup>6</sup>	1103 ± 48.6	1691 ± 18.0			



Experiment Number: 998255

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2-Heptadecyl-3-hydroxyethylimidazoline  
CAS Number: 95-19-2

Date Report Requested: 09/15/2018

Time Report Requested: 10:23:19

---

**Strain: TA98**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	38 ± 2.6
0.03	
0.1	
0.3	
1.0	36 ± 2.2
2.2	
3.3	32 ± 3.7
10.0	34 ± 2.7
33.0	31 ± 4.2
100.0	32 ± 4.1 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	581 ± 33.6
Positive Control <sup>3</sup>	
Positive Control <sup>6</sup>	

Experiment Number: 998255

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

**G06: Ames Summary Data**

Test Compound: **2-Heptadecyl-3-hydroxyethylimidazoline**

CAS Number: 95-19-2

Date Report Requested: 09/15/2018

Time Report Requested: 10:23:19

**LEGEND**

---

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: 95% Ethanol

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 \*\***