

Experiment Number: 745529

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: bis(Hydrogenated tallow alkyl) dimethyl ammonium methyl sulfate

CAS Number: 61789-81-9

Date Report Requested: 09/17/2018

Time Report Requested: 10:03:45

NTP Study Number:

745529

Study Result:

Negative

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Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: bis(Hydrogenated tallow alkyl) dimethyl ammonium methyl sulfate

Time Report Requested: 10:03:45

CAS Number: 61789-81-9

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	101 ± 3.6	123 ± 6.2	121 ± 3.1	107 ± 7.2	113 ± 6.2
100.0	100 ± 4.3	124 ± 6.1	112 ± 2.6	128 ± 5.9	129 ± 4.1
333.0	100 ± 2.9	107 ± 1.5	128 ± 10.7	126 ± 4.8	116 ± 2.9
1000.0	103 ± 2.6	100 ± 6.4	125 ± 5.2	117 ± 11.0	118 ± 4.2
3333.0	107 ± 4.4 ^P	118 ± 11.4 ^P	113 ± 1.0 ^P	109 ± 3.4 ^P	116 ± 2.7 ^P
10000.0	89 ± 8.7 ^P	92 ± 11.1 ^P	109 ± 3.8 ^P	103 ± 9.2 ^P	104 ± 5.0 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					462 ± 17.2
Positive Control ³			303 ± 12.2		
Positive Control ⁴				273 ± 10.0	
Positive Control ⁵	769 ± 25.8	1007 ± 21.8			

Experiment Number: 745529

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

Test Compound: **bis(Hydrogenated tallow alkyl) dimethyl ammonium methyl sulfate**
CAS Number: 61789-81-9

Time Report Requested: 10:03:45

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	133 ± 5.2
100.0	138 ± 5.0
333.0	118 ± 9.7
1000.0	123 ± 8.5
3333.0	116 ± 3.6 ^p
10000.0	112 ± 1.0 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	417 ± 32.1
Positive Control ⁴	
Positive Control ⁵	

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Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: bis(Hydrogenated tallow alkyl) dimethyl ammonium methyl sulfate
CAS Number: 61789-81-9

Time Report Requested: 10:03:45

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	9 ± 1.5	8 ± 0.7	9 ± 0.9	14 ± 0.6	8 ± 0.7
100.0	7 ± 2.4	8 ± 0.3	7 ± 1.5	11 ± 0.3	8 ± 0.7
333.0	9 ± 1.2	8 ± 1.2	9 ± 0.3	12 ± 0.9	8 ± 1.0
1000.0	7 ± 1.5	9 ± 2.6	9 ± 1.8	16 ± 3.0	8 ± 0.3
3333.0	7 ± 1.2 ^p	6 ± 2.0	8 ± 0.7	13 ± 0.3 ^p	10 ± 0.6
10000.0	7 ± 0.6 ^p	6 ± 1.7	8 ± 0.6	11 ± 0.9 ^p	8 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					115 ± 2.0
Positive Control ⁴			83 ± 2.9		
Positive Control ⁵	852 ± 28.4	893 ± 18.0			
Positive Control ⁶				101 ± 6.2	

Experiment Number: 745529

G06: Ames Summary Data

Date Report Requested: 09/17/2018

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

Test Compound: **bis(Hydrogenated tallow alkyl) dimethyl ammonium methyl sulfate**
CAS Number: 61789-81-9

Time Report Requested: 10:03:45

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	10 ± 2.1
100.0	13 ± 1.3
333.0	14 ± 1.5
1000.0	9 ± 1.7
3333.0	11 ± 0.9 ^p
10000.0	8 ± 1.0 ^p
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	448 ± 8.2
Positive Control ⁵	
Positive Control ⁶	

Experiment Number: 745529

G06: Ames Summary Data

Date Report Requested: 09/17/2018

Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: bis(Hydrogenated tallow alkyl) dimethyl ammonium methyl sulfate
CAS Number: 61789-81-9

Time Report Requested: 10:03:45

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	123 ± 6.4	121 ± 9.4	114 ± 8.2	154 ± 5.2	125 ± 4.9
100.0	130 ± 13.3	125 ± 7.5	141 ± 9.2	160 ± 1.3	136 ± 3.1
300.0		119 ± 15.1	130 ± 10.7		127 ± 6.5
333.0	141 ± 4.8			163 ± 8.7	
1000.0	120 ± 9.0	130 ± 4.7	127 ± 2.3	170 ± 3.6	130 ± 4.5
3333.0	153 ± 10.7 ^p	132 ± 1.8 ^p	134 ± 0.9 ^p	143 ± 9.8 ^p	131 ± 3.2 ^p
10000.0	123 ± 9.4 ^p	149 ± 24.7 ^p	114 ± 9.3 ^p	116 ± 13.0 ^p	122 ± 5.0 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					333 ± 17.7
Positive Control ³			288 ± 8.2		
Positive Control ⁴				375 ± 8.4	
Positive Control ⁷	441 ± 39.8	412 ± 0.7			

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

Test Compound: **bis(Hydrogenated tallow alkyl) dimethyl ammonium methyl sulfate**
CAS Number: 61789-81-9

Time Report Requested: 10:03:45

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	122 ± 6.0
100.0	135 ± 7.2
300.0	
333.0	129 ± 7.3
1000.0	123 ± 5.8
3333.0	146 ± 4.7 ^P
10000.0	133 ± 8.5 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	493 ± 12.6
Positive Control ⁴	
Positive Control ⁷	

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Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: bis(Hydrogenated tallow alkyl) dimethyl ammonium methyl sulfate
CAS Number: 61789-81-9

Time Report Requested: 10:03:45

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	20 ± 1.2	14 ± 0.0	19 ± 0.7	21 ± 0.9	22 ± 1.0
100.0	19 ± 0.9	18 ± 0.9	17 ± 3.7	21 ± 2.6	22 ± 2.4
333.0	19 ± 0.7	16 ± 2.0	15 ± 1.5	18 ± 1.5	19 ± 0.9
1000.0	17 ± 1.2	14 ± 0.9	17 ± 1.2	18 ± 2.2	22 ± 2.1
3333.0	19 ± 1.5 ^p	13 ± 0.6 ^p	17 ± 1.2 ^p	15 ± 1.7 ^p	16 ± 1.5 ^p
10000.0	16 ± 2.3 ^p	4 ± 1.3 ^p	9 ± 2.5 ^p	14 ± 0.9 ^p	10 ± 2.0 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					406 ± 28.9
Positive Control ³			203 ± 14.6		
Positive Control ⁸	302 ± 13.0	348 ± 9.9			
Positive Control ⁴				243 ± 25.9	

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Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: bis(Hydrogenated tallow alkyl) dimethyl ammonium methyl sulfate
CAS Number: 61789-81-9

Time Report Requested: 10:03:45

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	24 ± 2.5
100.0	21 ± 2.0
333.0	22 ± 2.5
1000.0	14 ± 2.4
3333.0	18 ± 1.5 ^p
10000.0	16 ± 1.5 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	260 ± 21.2
Positive Control ⁸	
Positive Control ⁴	

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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: Water

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****