

Experiment Number: 761777

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

G06: Ames Summary Data

Test Compound: **Dodecylbenzenesulfonic acid, sodium salt**

CAS Number: **25155-30-0**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:01:43**

NTP Study Number:

761777

Study Result:

Negative

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CAS Number: 25155-30-0

Date Report Requested: 09/17/2018

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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 ¹	143 ± 4.3	133 ± 3.8	113 ± 5.2	145 ± 2.2	140 ± 3.9
10.0			118 ± 0.6		
33.0	156 ± 10.7	129 ± 7.6	112 ± 1.7	145 ± 8.7	146 ± 6.1
100.0	158 ± 3.8	130 ± 8.1	115 ± 6.0	133 ± 3.2	159 ± 4.2
333.0	157 ± 7.2	118 ± 7.9	114 ± 0.6	136 ± 6.4	135 ± 16.1
1000.0	135 ± 6.1	93 ± 12.3	113 ± 2.8	137 ± 11.8	142 ± 3.7
3333.0	34 ± 1.8 ^s	31 ± 6.4 ^s		92 ± 5.3	129 ± 12.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³				288 ± 3.6	
Positive Control ⁴					501 ± 36.2
Positive Control ⁵	876 ± 24.0	1009 ± 16.5	902 ± 47.9		

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	122 ± 11.2	136 ± 2.9
10.0		
33.0	138 ± 6.5	143 ± 14.2
100.0	124 ± 6.9	152 ± 14.8
333.0	111 ± 3.2	152 ± 6.1
1000.0	107 ± 11.7	145 ± 12.3
3333.0	106 ± 8.2	126 ± 20.6
Trial Summary	Negative	Negative
Positive Control ²	400 ± 48.5	
Positive Control ³		723 ± 5.8
Positive Control ⁴		
Positive Control ⁵		

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CAS Number: 25155-30-0

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹ 0.0	18 ± 4.7	14 ± 2.3	10 ± 0.9	11 ± 2.1	15 ± 0.7
0 ± 0.0	10.0			11 ± 0.6	
	33.0	17 ± 2.0	13 ± 2.7	11 ± 0.6	10 ± 2.3
12 ± 1.8	100.0	15 ± 1.5	15 ± 1.3	11 ± 2.2	9 ± 1.5
15 ± 1.5	333.0	16 ± 1.7	14 ± 1.9	9 ± 0.6	9 ± 0.3
14 ± 2.8	1000.0	12 ± 1.9	14 ± 1.2	9 ± 0.9	6 ± 1.5
17 ± 2.3	3333.0	9 ± 2.2	6 ± 3.2 ^s		4 ± 0.6
13 ± 0.3					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					
Positive Control ⁴				86 ± 4.6	
Positive Control ⁵	1159 ± 13.2	941 ± 34.4	819 ± 23.7		
Positive Control ⁶					
Positive Control ⁷					230 ± 9.5

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Test Compound: Dodecylbenzenesulfonic acid, sodium salt
CAS Number: 25155-30-0

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	13 ± 3.2	18 ± 0.9
0.0		0 ± 0.0
0 ± 0.0		
	12 ± 2.0	10 ± 2.5
12 ± 1.8	11 ± 2.0	7 ± 1.2
15 ± 1.5	14 ± 1.5	12 ± 3.2
14 ± 2.8	13 ± 3.1	6 ± 0.6
17 ± 2.3	12 ± 4.0	5 ± 1.7
13 ± 0.3		
Trial Summary	Negative	Negative
Positive Control ³	100 ± 2.1	
Positive Control ⁴		
Positive Control ⁵		
Positive Control ⁶		557 ± 45.4
Positive Control ⁷		

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Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: Dodecylbenzenesulfonic acid, sodium salt
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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	113 ± 2.6	136 ± 10.8	122 ± 3.7	169 ± 4.0	184 ± 1.5
10.0			115 ± 2.0		
33.0	123 ± 10.0	131 ± 2.9	113 ± 3.8	156 ± 3.3	172 ± 8.7
100.0	126 ± 2.6	128 ± 7.6	113 ± 4.9	146 ± 16.8	180 ± 2.2
333.0	111 ± 7.6	103 ± 6.5	111 ± 1.9	170 ± 8.2	165 ± 19.3
1000.0	109 ± 2.3	124 ± 9.0	114 ± 2.7	136 ± 13.9	199 ± 7.6
3333.0	76 ± 1.2 ^s	78 ± 5.8 ^s		95 ± 5.4	114 ± 22.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³				363 ± 17.5	
Positive Control ⁸					
Positive Control ⁶					777 ± 21.6
Positive Control ⁹	399 ± 15.3	300 ± 19.2	250 ± 10.2		

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	135 ± 5.1	128 ± 1.8
10.0		
33.0	132 ± 14.1	153 ± 5.4
100.0	135 ± 7.5	143 ± 7.8
333.0	152 ± 6.2	141 ± 5.1
1000.0	125 ± 8.2	124 ± 7.0
3333.0	111 ± 10.7	100 ± 7.0
Trial Summary	Negative	Negative
Positive Control ²	333 ± 16.1	
Positive Control ³		
Positive Control ⁸		945 ± 16.8
Positive Control ⁶		
Positive Control ⁹		

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	22 ± 2.0	21 ± 4.5	15 ± 0.7	21 ± 4.2	27 ± 2.3
10.0			14 ± 0.7		
33.0	16 ± 2.3	23 ± 2.4	18 ± 1.3	25 ± 3.5	27 ± 2.0
100.0	16 ± 0.9	21 ± 2.3	14 ± 0.9	25 ± 3.5	24 ± 1.7
333.0	17 ± 1.9	20 ± 1.9	12 ± 0.9	18 ± 1.9	28 ± 3.2
1000.0	19 ± 0.0	16 ± 0.9	11 ± 1.2	17 ± 2.1	31 ± 2.3
3333.0	6 ± 2.3 ^s	14 ± 4.7 ^s		18 ± 1.9	30 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³				108 ± 4.5	
Positive Control ¹⁰	349 ± 5.1	313 ± 15.3	354 ± 19.1		
Positive Control ⁴					163 ± 4.9

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	28 ± 0.3	26 ± 1.2
10.0		
33.0	23 ± 1.2	32 ± 8.6
100.0	24 ± 3.8	29 ± 0.9
333.0	22 ± 2.7	27 ± 2.4
1000.0	22 ± 3.2	23 ± 1.5
3333.0	13 ± 4.5	17 ± 1.2
Trial Summary	Negative	Negative
Positive Control ²	134 ± 7.5	
Positive Control ³		232 ± 27.8
Positive Control ¹⁰		
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: Dimethyl Sulfoxide

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: 10.0 ug/Plate 2-Aminoanthracene

8: 2.0 ug/Plate 2-Aminoanthracene

9: 50.0 ug/Plate 9-Aminoacridine

10: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****