

Experiment Number: 433469

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-4-(methylsulfonyl)phenol

CAS Number: 98-30-6

Date Report Requested: 09/10/2018

Time Report Requested: 20:58:07

NTP Study Number:

433469

Study Result:

Negative

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Test Compound: 2-Amino-4-(methylsulfonyl)phenol
CAS Number: 98-30-6

Date Report Requested: 09/10/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	89 ± 6.4	88 ± 1.5	91 ± 6.7	98 ± 8.7	101 ± 6.3
100.0	85 ± 6.7	93 ± 5.9	97 ± 7.0	87 ± 0.3	87 ± 4.1
333.0	71 ± 4.4	99 ± 9.0	91 ± 3.0	83 ± 4.9	90 ± 10.8
1000.0	84 ± 4.9	94 ± 4.9	84 ± 7.4	101 ± 3.0	90 ± 13.7
3333.0	76 ± 3.0	103 ± 4.6	80 ± 3.8	97 ± 5.0	90 ± 3.8
6667.0		82 ± 3.5 ^s			
10000.0	70 ± 1.9 ^s		83 ± 3.2	84 ± 6.1	95 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1587 ± 153.7
Positive Control ³	177 ± 5.0	417 ± 28.9			
Positive Control ⁴			438 ± 15.5		
Positive Control ⁵					
Positive Control ⁶				305 ± 7.2	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	103 ± 9.5
100.0	101 ± 7.1
333.0	105 ± 10.6
1000.0	101 ± 6.4
3333.0	103 ± 7.6
6667.0	
10000.0	90 ± 10.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	463 ± 18.5
Positive Control ⁶	

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Test Compound: 2-Amino-4-(methylsulfonyl)phenol
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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	21 ± 2.5	23 ± 1.2	9 ± 0.0	14 ± 0.7	15 ± 0.3
100.0	21 ± 0.0	15 ± 1.2	12 ± 2.2	14 ± 0.7	18 ± 3.2
333.0	25 ± 3.0	25 ± 4.0	15 ± 2.5	7 ± 0.9	11 ± 0.9
1000.0	21 ± 1.2	21 ± 1.3	8 ± 0.6	8 ± 0.6	12 ± 1.2
3333.0	20 ± 3.7	22 ± 1.2	13 ± 2.1	13 ± 2.5	15 ± 1.2
6667.0		11 ± 0.6			
10000.0	8 ± 3.5 ^s		11 ± 0.0	13 ± 2.0	16 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					130 ± 3.8
Positive Control ³	227 ± 14.9	286 ± 7.8			
Positive Control ⁵					
Positive Control ⁶			169 ± 9.0	85 ± 4.4	

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Test Compound: **2-Amino-4-(methylsulfonyl)phenol**

CAS Number: **98-30-6**

Date Report Requested: **09/10/2018**

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 1.2
100.0	10 ± 0.6
333.0	12 ± 3.8
1000.0	11 ± 2.0
3333.0	10 ± 1.2
6667.0	
10000.0	7 ± 1.8
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	76 ± 5.2
Positive Control ⁶	

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Test Compound: 2-Amino-4-(methylsulfonyl)phenol
CAS Number: 98-30-6

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.7	7 ± 0.7	7 ± 1.2	10 ± 1.2	8 ± 0.9
100.0	6 ± 1.8	5 ± 1.5	7 ± 0.6	6 ± 0.7	10 ± 1.2
333.0	4 ± 0.9	4 ± 0.7	6 ± 0.6	6 ± 1.5	6 ± 1.9
1000.0	6 ± 1.2	5 ± 1.0	6 ± 1.5	6 ± 1.5	9 ± 1.2
3333.0	9 ± 0.3	7 ± 1.7	8 ± 1.5	8 ± 0.3	9 ± 1.7
6667.0		9 ± 3.0			
10000.0	Toxic		9 ± 2.0	11 ± 1.7	6 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁶			183 ± 14.3		
Positive Control ⁷				32 ± 3.2	449 ± 24.1
Positive Control ⁸	37 ± 0.3	74 ± 8.7			

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Test Compound: **2-Amino-4-(methylsulfonyl)phenol**

CAS Number: **98-30-6**

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Strain: TA1537

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	7 ± 1.2
100.0	9 ± 0.9
333.0	12 ± 1.9
1000.0	7 ± 1.7
3333.0	5 ± 1.2
6667.0	
10000.0	8 ± 0.9
Trial Summary	Negative
Positive Control ⁶	
Positive Control ⁷	69 ± 7.3
Positive Control ⁸	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	80 ± 2.3	80 ± 5.5	115 ± 1.3	130 ± 6.0	102 ± 7.3
100.0	73 ± 5.2	77 ± 3.3	119 ± 10.0	116 ± 3.8	109 ± 1.5
333.0	71 ± 1.3	74 ± 3.8	116 ± 10.3	102 ± 9.3	104 ± 4.4
1000.0	79 ± 7.5	97 ± 7.5	109 ± 2.6	104 ± 3.0	103 ± 1.0
3333.0	73 ± 5.8	89 ± 7.7	113 ± 5.9	116 ± 3.7	88 ± 4.0
6667.0		38 ± 6.9 ^s			
10000.0	3 ± 1.2 ^s		120 ± 7.2	118 ± 5.5	122 ± 8.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁶			742 ± 8.4		
Positive Control ⁷				300 ± 6.0	1357 ± 24.3
Positive Control ⁹	216 ± 15.5	457 ± 39.9			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	124 ± 5.5
100.0	111 ± 4.4
333.0	115 ± 6.0
1000.0	112 ± 7.3
3333.0	99 ± 7.0
6667.0	
10000.0	121 ± 3.8
Trial Summary	Negative
Positive Control ⁶	
Positive Control ⁷	551 ± 34.3
Positive Control ⁹	

Experiment Number: 433469

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Test Compound: 2-Amino-4-(methylsulfonyl)phenol
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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 ¹	14 ± 1.2	28 ± 0.6	21 ± 0.0	27 ± 1.8	31 ± 1.0
100.0	16 ± 2.1	25 ± 3.6	27 ± 2.4	26 ± 3.2	23 ± 0.7
333.0	19 ± 3.8	20 ± 3.7	20 ± 0.0	34 ± 6.4	34 ± 3.2
1000.0	14 ± 2.3	31 ± 3.8	29 ± 0.6	24 ± 1.2	29 ± 3.1
3333.0	21 ± 1.9	20 ± 2.7	23 ± 1.5	31 ± 1.7	35 ± 5.8
6667.0		35 ± 3.2			
10000.0	15 ± 0.6 ^s		34 ± 2.0	43 ± 2.0	39 ± 3.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ¹⁰					816 ± 43.1
Positive Control ²			275 ± 18.0		
Positive Control ¹¹	131 ± 12.1	225 ± 12.5			
Positive Control ⁵				74 ± 1.5	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	26 ± 4.8
100.0	21 ± 2.3
333.0	36 ± 11.4
1000.0	27 ± 0.6
3333.0	39 ± 4.7
6667.0	
10000.0	37 ± 7.7
Trial Summary	Negative
Positive Control ¹⁰	
Positive Control ²	53 ± 4.9
Positive Control ¹¹	
Positive Control ⁵	

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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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 2.5 ug/Plate 2-Aminoanthracene

8: 4.0 ug/Plate 9-Aminoacridine

9: 8.0 ug/Plate 9-Aminoacridine

10: 0.2 ug/Plate 2-Aminoanthracene

11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****