

Experiment Number: 887558

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3-Aminobenzenesulfonic acid

CAS Number: 121-47-1

Date Report Requested: 09/16/2018

Time Report Requested: 20:02:56

NTP Study Number:

887558

Study Result:

Negative

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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	78 ± 3.5	85 ± 0.5	93 ± 0.0	97 ± 6.1	84 ± 3.1
33.0	83 ± 1.7	72 ± 13.4	102 ± 3.1	95 ± 6.8	79 ± 3.5
100.0	92 ± 9.6	79 ± 8.0	89 ± 2.1	95 ± 4.5	95 ± 3.2
333.0	87 ± 4.5	77 ± 0.7	101 ± 11.6	82 ± 6.4	84 ± 9.0
1000.0	80 ± 9.7	84 ± 4.3	98 ± 3.0	87 ± 4.0	81 ± 4.0
3333.0	66 ± 2.3	84 ± 4.7	98 ± 6.9	94 ± 5.8	94 ± 7.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					405 ± 9.5
Positive Control ³	273 ± 6.5	302 ± 7.2			
Positive Control ⁴			315 ± 11.3		
Positive Control ⁵					
Positive Control ⁶				196 ± 6.8	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	90 ± 3.4
33.0	97 ± 9.0
100.0	86 ± 7.4
333.0	75 ± 4.6
1000.0	86 ± 6.8
3333.0	93 ± 5.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	357 ± 23.1
Positive Control ⁶	

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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	10 ± 1.3	15 ± 0.3	10 ± 2.0	10 ± 2.0	12 ± 1.0
33.0	11 ± 1.5	12 ± 0.9	9 ± 0.7	8 ± 0.3	10 ± 2.9
100.0	13 ± 2.0	12 ± 0.9	7 ± 0.9	7 ± 1.7	4 ± 1.2
333.0	13 ± 1.9	12 ± 2.4	9 ± 0.9	8 ± 1.0	9 ± 0.7
1000.0	14 ± 3.7	13 ± 1.5	8 ± 0.3	8 ± 1.8	7 ± 0.7
3333.0	10 ± 1.8	7 ± 1.2	10 ± 2.5	9 ± 0.9	12 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					50 ± 7.5
Positive Control ³	114 ± 8.7	174 ± 4.9			
Positive Control ⁵					
Positive Control ⁶			120 ± 7.0	46 ± 3.2	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 1.5
33.0	8 ± 0.3
100.0	9 ± 1.5
333.0	6 ± 0.9
1000.0	10 ± 3.5
3333.0	9 ± 1.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	70 ± 9.2
Positive Control ⁶	

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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	72 ± 3.6	67 ± 9.7	78 ± 4.4	101 ± 6.2	195 ± 7.0
33.0	93 ± 9.2	96 ± 7.4	67 ± 5.0	101 ± 8.7	203 ± 2.4
100.0	83 ± 8.1	77 ± 3.9	71 ± 5.5	123 ± 1.7	188 ± 14.1
333.0	86 ± 3.2	75 ± 5.9	84 ± 5.0	91 ± 5.8	170 ± 3.7
1000.0	75 ± 3.7	65 ± 4.9	72 ± 3.5	121 ± 14.0	190 ± 13.7
3333.0	74 ± 6.4	75 ± 4.5	64 ± 3.4	120 ± 11.9	218 ± 9.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					
Positive Control ⁶				511 ± 22.8	
Positive Control ⁷					372 ± 21.7
Positive Control ⁸	485 ± 14.8	331 ± 27.1	803 ± 66.2		

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	93 ± 2.8	146 ± 3.8
33.0	95 ± 4.7	152 ± 4.7
100.0	91 ± 3.8	154 ± 8.3
333.0	101 ± 8.0	144 ± 1.2
1000.0	98 ± 8.0	155 ± 4.7
3333.0	95 ± 10.9	126 ± 3.5
Trial Summary	Negative	Negative
Positive Control ⁴	494 ± 17.6	
Positive Control ⁶		
Positive Control ⁷		760 ± 9.0
Positive Control ⁸		

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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	23 ± 2.5	14 ± 1.5	32 ± 2.4	23 ± 2.7	33 ± 7.0
33.0	23 ± 0.6	11 ± 1.2	34 ± 2.1	19 ± 0.9	38 ± 4.7
100.0	21 ± 3.7	14 ± 0.9	31 ± 0.7	21 ± 0.3	25 ± 3.8
333.0	26 ± 3.2	18 ± 0.6	22 ± 1.5	21 ± 2.8	25 ± 1.2
1000.0	20 ± 1.5	19 ± 3.1	29 ± 0.7	21 ± 0.3	30 ± 5.8
3333.0	20 ± 2.4	14 ± 2.6	29 ± 2.0	18 ± 2.4	32 ± 6.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁹					106 ± 5.2
Positive Control ²			86 ± 11.0		
Positive Control ¹⁰	141 ± 10.4	147 ± 1.2			
Positive Control ⁵				59 ± 2.3	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	26 ± 5.2
33.0	26 ± 2.6
100.0	22 ± 5.0
333.0	23 ± 2.7
1000.0	25 ± 2.6
3333.0	22 ± 3.2
Trial Summary	Negative
Positive Control ⁹	
Positive Control ²	175 ± 12.8
Positive Control ¹⁰	
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: 3.5 ug/Plate 9-Aminoacridine

9: 0.2 ug/Plate 2-Aminoanthracene

10: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****