

Experiment Number: 915261

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Anilazine

CAS Number: 101-05-3

Date Report Requested: 09/17/2018

Time Report Requested: 02:28:04

NTP Study Number:

915261

Study Result:

Negative

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Test Compound: Anilazine

CAS Number: 101-05-3

Date Report Requested: 09/17/2018

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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	90 ± 5.5	102 ± 8.5	86 ± 6.7	86 ± 8.1	95 ± 11.1
0.3		74 ± 4.5			
1.0	78 ± 5.4	95 ± 16.0		76 ± 5.7	
3.3	88 ± 6.3	86 ± 2.6	76 ± 5.0	74 ± 4.9	83 ± 3.8
10.0	75 ± 6.3 ^s	79 ± 2.7	87 ± 9.8	88 ± 4.7	95 ± 3.1
33.0	56 ± 0.7 ^s	0 ± 0.0 ^s	85 ± 3.6	84 ± 4.7	87 ± 2.9
100.0	12 ± 12.0 ^s		66 ± 5.6 ^s	85 ± 1.5	57 ± 8.4 ^s
200.0			39 ± 4.6 ^s		23 ± 0.9 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	371 ± 16.1	306 ± 28.7			
Positive Control ³			272 ± 20.6		
Positive Control ⁴					708 ± 46.5
Positive Control ⁵				287 ± 9.3	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	85 ± 10.5
0.3	
1.0	82 ± 4.4
3.3	79 ± 1.5
10.0	81 ± 2.6
33.0	84 ± 2.0
100.0	90 ± 3.3
200.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	328 ± 4.6
Positive Control ⁵	

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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	15 ± 1.9	43 ± 1.5	26 ± 1.2	9 ± 0.9	29 ± 3.3
0.3		30 ± 2.0			
1.0	12 ± 2.0	38 ± 2.2			
3.3	11 ± 3.3	39 ± 4.5	31 ± 1.2	8 ± 1.2	28 ± 0.3
10.0	8 ± 1.5	30 ± 5.5	37 ± 5.6	10 ± 1.5	25 ± 4.7
33.0	2 ± 1.2 ^s	1 ± 1.0 ^s	31 ± 3.3	10 ± 0.3	24 ± 1.5
100.0	1 ± 0.0 ^s		6 ± 0.3 ^s	10 ± 2.6	6 ± 0.9 ^s
200.0			5 ± 5.0 ^s	8 ± 1.8 ^s	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁶					65 ± 4.7
Positive Control ²	214 ± 23.2	301 ± 8.3			
Positive Control ⁴					
Positive Control ⁵			159 ± 8.7	56 ± 6.4	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	13 ± 1.0
0.3	
1.0	
3.3	11 ± 1.0
10.0	7 ± 1.0
33.0	9 ± 2.6
100.0	7 ± 1.2
200.0	4 ± 1.2 ^s
Trial Summary	Negative
Positive Control ⁶	
Positive Control ²	
Positive Control ⁴	
Positive Control ⁵	164 ± 2.7

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Date Report Requested: 09/17/2018

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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	3 ± 0.7	7 ± 1.5	5 ± 0.3	9 ± 1.5	7 ± 1.2
0.3		8 ± 1.5			
1.0	7 ± 2.0	7 ± 1.0			
3.3	2 ± 1.0	7 ± 1.3	9 ± 0.3	6 ± 0.0	4 ± 2.0
10.0	2 ± 0.3	6 ± 1.2	7 ± 2.1	6 ± 1.0	8 ± 1.2
33.0	0 ± 0.0 ^s	3 ± 1.5 ^s	8 ± 0.9	9 ± 2.6	7 ± 1.0
100.0	Toxic		3 ± 1.2 ^s	9 ± 2.4	3 ± 1.0 ^s
200.0			2 ± 1.5 ^s	5 ± 2.4 ^s	0 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁵			62 ± 10.1		
Positive Control ⁷				34 ± 3.5	114 ± 16.0
Positive Control ⁸	1003 ± 17.1	32 ± 1.8			

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Date Report Requested: 09/17/2018
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Strain: TA1537

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	6 ± 2.2
0.3	
1.0	
3.3	12 ± 4.5
10.0	10 ± 1.7
33.0	7 ± 0.9
100.0	7 ± 1.5
200.0	7 ± 0.9 ^s
Trial Summary	Negative
Positive Control ⁵	
Positive Control ⁷	90 ± 2.3
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	78 ± 6.9	87 ± 3.0	121 ± 4.1	127 ± 6.0	124 ± 10.1
0.3		84 ± 6.5			
1.0	80 ± 4.4	98 ± 5.9			
3.3	83 ± 7.1	82 ± 3.2	120 ± 9.3	151 ± 10.1	115 ± 2.3
10.0	60 ± 6.7	81 ± 5.4	131 ± 9.6	164 ± 23.6	96 ± 0.9
33.0	0 ± 0.0 ^s	12 ± 12.3 ^s	121 ± 7.2	136 ± 7.5	110 ± 7.1
100.0	Toxic		86 ± 4.5 ^s	168 ± 1.2	79 ± 20.0 ^s
200.0			28 ± 8.0 ^s	136 ± 9.8 ^s	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ⁵			503 ± 49.1		
Positive Control ⁷				313 ± 9.4	567 ± 21.5
Positive Control ⁹	3017 ± 39.0	686 ± 30.0			

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Test Compound: Anilazine
CAS Number: 101-05-3

Date Report Requested: 09/17/2018
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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	137 ± 5.8
0.3	
1.0	
3.3	109 ± 6.1
10.0	135 ± 3.3
33.0	128 ± 2.6
100.0	117 ± 5.0
200.0	110 ± 4.1 ^s
Trial Summary	Negative
Positive Control ⁵	
Positive Control ⁷	781 ± 63.8
Positive Control ⁹	

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G06: Ames Summary Data

Test Compound: Anilazine

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Date Report Requested: 09/17/2018

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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	15 ± 1.2	13 ± 1.8	18 ± 2.0	21 ± 1.2	28 ± 4.7
0.3		16 ± 2.4			
1.0	14 ± 2.1	13 ± 0.9		22 ± 2.3	
3.3	12 ± 1.9	15 ± 3.8	21 ± 3.2	22 ± 3.5	20 ± 1.7
10.0	16 ± 0.9	12 ± 1.5	21 ± 2.8	26 ± 2.7	26 ± 3.9
33.0	8 ± 0.5 ^s	1 ± 1.3 ^s	18 ± 2.3	20 ± 5.8	21 ± 3.1
100.0	7 ± 1.2 ^s		11 ± 0.6 ^s	17 ± 1.7	12 ± 2.5 ^s
200.0			5 ± 0.7 ^s		6 ± 1.8 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ¹⁰					129 ± 20.9
Positive Control ⁶			78 ± 12.2		
Positive Control ⁴				129 ± 5.0	
Positive Control ¹¹	139 ± 7.0	192 ± 18.9			

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Test Compound: Anilazine
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Date Report Requested: 09/17/2018
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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	32 ± 2.4
0.3	
1.0	29 ± 6.7
3.3	27 ± 3.5
10.0	30 ± 3.3
33.0	28 ± 2.3
100.0	27 ± 1.9
200.0	
Trial Summary	Negative
Positive Control ¹⁰	
Positive Control ⁶	77 ± 4.1
Positive Control ⁴	
Positive Control ¹¹	

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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 Sodium Azide

3: 0.75 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate 2-Aminoanthracene

5: 2.0 ug/Plate 2-Aminoanthracene

6: 0.4 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 ****