

Experiment Number: 262902

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Aminoacetanilide hydrochloride

CAS Number: 4801-39-2

Date Report Requested: 09/11/2018

Time Report Requested: 08:02:50

NTP Study Number:

262902

Study Result:

Positive

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Test Compound: 2-Aminoacetanilide hydrochloride

CAS Number: 4801-39-2

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	97 ± 7.6	169 ± 7.7	97 ± 5.5	134 ± 3.8	117 ± 10.6
33.0	86 ± 4.2	139 ± 4.9	97 ± 3.6	135 ± 3.3	108 ± 7.9
100.0	91 ± 1.0	177 ± 5.0	120 ± 2.3	150 ± 6.2	115 ± 11.5
333.0	94 ± 1.9	209 ± 4.9	163 ± 3.9	147 ± 7.5	144 ± 3.7
1000.0	121 ± 8.0	355 ± 11.0	332 ± 27.6	323 ± 2.9	370 ± 3.6
3333.0	130 ± 4.9 ^s	718 ± 36.5	876 ± 47.4	723 ± 30.2	1143 ± 22.6
Trial Summary	Equivocal	Positive	Positive	Positive	Positive
Positive Control ²				341 ± 4.6	405 ± 21.3
Positive Control ³	448 ± 8.2				
Positive Control ⁴		478 ± 22.4	453 ± 24.8		

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Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**Test Compound: **2-Aminoacetanilide hydrochloride**

Time Report Requested: 08:02:50

CAS Number: 4801-39-2

Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 0.5	39 ± 2.1	20 ± 2.9	26 ± 0.9	25 ± 1.7
33.0	21 ± 0.7	36 ± 2.0	21 ± 2.1	23 ± 0.9	28 ± 1.7
100.0	14 ± 2.6	37 ± 3.8	24 ± 4.4	32 ± 3.3	22 ± 4.0
333.0	18 ± 0.9	41 ± 3.5	26 ± 2.9	25 ± 3.5	22 ± 5.0
1000.0	22 ± 0.0	56 ± 1.2	31 ± 2.5	32 ± 1.2	35 ± 4.9
3333.0	18 ± 0.6 ^s	72 ± 1.5	49 ± 4.0	49 ± 2.0	59 ± 3.8
Trial Summary	Negative	Equivocal	Weakly Positive	Equivocal	Equivocal
Positive Control ²				52 ± 3.5	118 ± 10.5
Positive Control ³	262 ± 11.7				
Positive Control ⁵		192 ± 5.3	200 ± 6.4		

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	119 ± 10.3	89 ± 5.4	237 ± 12.5	116 ± 1.5	197 ± 4.3
33.0	119 ± 5.5	106 ± 3.5	265 ± 9.9	123 ± 8.1	194 ± 20.6
100.0	138 ± 4.8	106 ± 4.6	248 ± 7.2	131 ± 1.9	206 ± 16.7
333.0	145 ± 6.2	131 ± 8.1	326 ± 25.3	240 ± 18.5	327 ± 27.7
1000.0	236 ± 13.7	214 ± 16.5	735 ± 21.9	618 ± 24.3	712 ± 39.3
3333.0	142 ± 13.6 ^s	236 ± 17.0 ^s	1081 ± 28.3	1257 ± 18.2	1342 ± 14.9
Trial Summary	Weakly Positive	Positive	Positive	Positive	Positive
Positive Control ⁴					923 ± 13.0
Positive Control ⁵			605 ± 355.1	1449 ± 15.2	
Positive Control ⁶	249 ± 31.5	264 ± 9.8			

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	123 ± 6.3
33.0	152 ± 2.5
100.0	169 ± 5.4
333.0	260 ± 8.7
1000.0	570 ± 18.5
3333.0	1531 ± 19.5
Trial Summary	Positive
Positive Control ⁴	784 ± 21.3
Positive Control ⁵	
Positive Control ⁶	

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	29 ± 4.1	54 ± 6.4	37 ± 4.5	34 ± 0.9	36 ± 4.7
33.0	27 ± 1.2	53 ± 4.6	42 ± 2.0	48 ± 6.9	49 ± 4.7
100.0	27 ± 3.2	66 ± 2.9	56 ± 2.4	75 ± 5.5	65 ± 2.0
333.0	30 ± 1.5	184 ± 2.8	190 ± 5.5	213 ± 20.5	193 ± 16.9
1000.0	40 ± 2.0	730 ± 36.5	565 ± 1.9	831 ± 38.5	609 ± 12.0
3333.0	18 ± 4.0 ^s	1705 ± 164.9	1348 ± 63.1	2281 ± 62.8	2506 ± 33.5
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ⁷				110 ± 1.9	178 ± 13.2
Positive Control ²		224 ± 18.1	222 ± 8.2		
Positive Control ⁸	203 ± 10.7				

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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: 95% Ethanol

2: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 2.0 ug/Plate 2-Aminoanthracene

6: 3.5 ug/Plate 9-Aminoacridine

7: 0.2 ug/Plate 2-Aminoanthracene

8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****