

Experiment Number: 792648

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,4-Dimethoxyaniline hydrochloride

CAS Number: 54150-69-5

Date Report Requested: 09/18/2018

Time Report Requested: 06:05:32

NTP Study Number:

792648

Study Result:

Positive

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Strain: TA100				
Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	108 ± 8.4	101 ± 10.3	110 ± 6.8	102 ± 3.2
10.0				105 ± 4.6
33.0				109 ± 5.9
100.0	98 ± 2.0	116 ± 9.8	159 ± 11.3	176 ± 10.1
200.0				262 ± 4.8
333.0	93 ± 6.4	127 ± 12.3	209 ± 8.9	231 ± 16.6
1000.0	99 ± 4.1	95 ± 6.7	154 ± 8.5	
3333.0	109 ± 5.2	94 ± 4.3	96 ± 1.5	
10000.0	56 ± 39.5 ^s	22 ± 22.0 ^s	74 ± 6.7 ^s	
Trial Summary	Negative	Negative	Weakly Positive	Positive
Positive Control ²	390 ± 14.4			
Positive Control ³			1982 ± 31.5	588 ± 9.2
Positive Control ⁴		473 ± 30.7		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	13 ± 2.3	27 ± 1.5	27 ± 0.9	33 ± 2.3	29 ± 1.9
10.0			32 ± 3.8		30 ± 1.3
33.0			40 ± 0.6		63 ± 4.9
100.0	18 ± 0.7	50 ± 5.5	57 ± 3.5	255 ± 9.4	216 ± 7.5
200.0			79 ± 3.2		537 ± 17.4
333.0	17 ± 2.3	89 ± 5.5	91 ± 0.6	547 ± 33.9	330 ± 27.2
1000.0	14 ± 3.8	51 ± 9.0		123 ± 13.9	
3333.0	15 ± 0.9	26 ± 1.7		19 ± 4.3	
10000.0	Toxic	7 ± 1.2 ^s		14 ± 2.0 ^s	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ⁵				540 ± 9.6	113 ± 2.3
Positive Control ³		101 ± 10.2	170 ± 9.7		
Positive Control ⁶	127 ± 7.2				

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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: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 0.4 ug/Plate 2-Aminoanthracene

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****