

Experiment Number: 349350

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Methdilazine hydrochloride

CAS Number: 1229-35-2

Date Report Requested: 09/13/2018

Time Report Requested: 15:12:50

NTP Study Number:

349350

Study Result:

Negative

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Date Report Requested: 09/13/2018
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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	111 ± 6.8	115 ± 9.3	127 ± 9.8	110 ± 2.8	104 ± 9.5
1.0		113 ± 12.1		91 ± 2.4	
3.0	131 ± 9.4	91 ± 10.3	88 ± 2.3	93 ± 5.2	96 ± 7.0
10.0	132 ± 11.1	105 ± 3.7	91 ± 4.3	112 ± 14.0	92 ± 5.9
33.0	114 ± 4.8	116 ± 8.5	112 ± 11.5	110 ± 3.5	103 ± 7.5
100.0	128 ± 7.8	103 ± 4.6	112 ± 2.3	121 ± 14.0	85 ± 4.2
333.0	36 ± 6.2		76 ± 13.3		77 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1456 ± 35.4	385 ± 12.3	1526 ± 39.4
Positive Control ³	287 ± 7.3	346 ± 2.0			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	101 ± 6.6
1.0	107 ± 5.8
3.0	87 ± 6.2
10.0	106 ± 10.8
33.0	93 ± 7.9
100.0	77 ± 7.7
333.0	
Trial Summary	Negative
Positive Control ²	1123 ± 40.2
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	31 ± 1.0	27 ± 4.7	10 ± 2.7	9 ± 1.7	6 ± 0.3
1.0		14 ± 1.5			
3.0	17 ± 2.6	16 ± 1.3	7 ± 0.6	9 ± 2.0	6 ± 0.0
10.0	16 ± 2.3	21 ± 4.9	8 ± 2.5	8 ± 1.9	6 ± 0.9
33.0	17 ± 3.7	15 ± 0.0	7 ± 0.7	9 ± 1.5	8 ± 2.2
100.0	8 ± 1.3	23 ± 1.5	5 ± 1.2	6 ± 1.0	5 ± 1.2
333.0	0 ± 0.0 ^s		1 ± 0.3	1 ± 0.7	4 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	327 ± 8.2	427 ± 11.6			
Positive Control ⁴			544 ± 76.8	163 ± 6.2	512 ± 24.7

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.6
1.0	
3.0	10 ± 2.3
10.0	6 ± 1.2
33.0	9 ± 2.7
100.0	11 ± 2.7
333.0	3 ± 0.9
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	358 ± 9.8

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.3	6 ± 1.5	7 ± 0.9	4 ± 1.0	6 ± 0.6
3.0	6 ± 1.0	5 ± 0.3	6 ± 2.3	7 ± 2.3	6 ± 1.2
10.0	5 ± 1.5	6 ± 1.8	3 ± 0.6	7 ± 0.3	7 ± 1.2
33.0	4 ± 0.3	7 ± 0.9	6 ± 0.3	5 ± 1.3	6 ± 1.8
100.0	4 ± 0.6	6 ± 0.6	8 ± 0.7	7 ± 2.0	6 ± 0.9
333.0	4 ± 1.2	0 ± 0.3 ^s	2 ± 0.9	2 ± 0.7	4 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			423 ± 21.2	169 ± 2.6	473 ± 6.7
Positive Control ⁵	161 ± 18.4	156 ± 22.4			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 2.5
3.0	11 ± 2.0
10.0	4 ± 1.0
33.0	4 ± 1.3
100.0	5 ± 1.0
333.0	8 ± 2.2
Trial Summary	Negative
Positive Control ⁴	320 ± 6.1
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 1.9	17 ± 1.2	27 ± 3.5	18 ± 1.9	25 ± 2.9
3.0	15 ± 1.5	14 ± 0.7	26 ± 2.6	22 ± 3.4	28 ± 2.3
10.0	16 ± 0.0	15 ± 1.3	17 ± 2.3	19 ± 4.8	26 ± 5.2
33.0	19 ± 1.2	13 ± 0.3	24 ± 2.1	19 ± 2.5	25 ± 3.8
100.0	16 ± 0.9	12 ± 2.4	17 ± 4.3	20 ± 3.8	23 ± 2.5
333.0	15 ± 3.4	5 ± 2.1	20 ± 3.3	12 ± 4.9	25 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1195 ± 37.4	230 ± 8.8	1364 ± 70.3
Positive Control ⁶	340 ± 20.0	315 ± 7.8			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	23 ± 3.8
3.0	25 ± 4.0
10.0	22 ± 2.4
33.0	21 ± 2.9
100.0	19 ± 1.2
333.0	11 ± 5.1
Trial Summary	Negative
Positive Control ²	975 ± 13.7
Positive Control ⁶	

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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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****