

Experiment Number: 769480

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Methapyrilene hydrochloride

CAS Number: 135-23-9

Date Report Requested: 09/17/2018

Time Report Requested: 20:40:42

NTP Study Number:

769480

Study Result:

Negative

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G06: Ames Summary Data

Test Compound: Methapyrilene hydrochloride

CAS Number: 135-23-9

Date Report Requested: 09/17/2018

Time Report Requested: 20:40:42

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 |
|-------------------------------|------------|-------------|-------------|-----------------|-----------------|
| Vehicle Control ¹ | 106 ± 8.1 | 96 ± 4.0 | 97 ± 2.5 | 178 ± 1.5 | 226 ± 13.0 |
| 33.0 | | 108 ± 5.8 | 127 ± 10.5 | | |
| 100.0 | 99 ± 12.5 | 95 ± 2.2 | 122 ± 6.7 | 172 ± 11.0 | 245 ± 8.5 |
| 333.0 | 109 ± 6.6 | 89 ± 3.2 | 125 ± 4.7 | 162 ± 11.0 | 252 ± 13.1 |
| 1000.0 | 102 ± 8.8 | 97 ± 13.0 | 98 ± 1.5 | 163 ± 3.7 | 187 ± 3.8 |
| 3333.0 | Toxic | 66 ± 3.3 | Toxic | 168 ± 8.3 | 165 ± 7.4 |
| 10000.0 | 0 ± 0.0 | | | 126 ± 21.6 | 118 ± 4.0 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | 977 ± 24.4 | 2125 ± 56.7 |
| Positive Control ³ | 932 ± 10.6 | 2207 ± 35.7 | 1032 ± 87.9 | | |

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Strain: TA100

| Dose (ug/Plate) | With 10% Hamster S9 | With 10% Hamster S9 |
|-------------------------------|----------------------------|----------------------------|
| Vehicle Control ¹ | 201 ± 2.6 | 185 ± 7.1 |
| 33.0 | | |
| 100.0 | 183 ± 3.6 | 160 ± 22.5 |
| 333.0 | 163 ± 3.8 | 163 ± 6.9 |
| 1000.0 | 165 ± 13.1 | 167 ± 7.6 |
| 3333.0 | 137 ± 22.0 | 131 ± 8.4 |
| 10000.0 | 134 ± 9.9 | 119 ± 25.1 |
| Trial Summary | Negative | Negative |
| Positive Control ² | 1321 ± 136.1 | 962 ± 36.7 |
| Positive Control ³ | | |

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Test Compound: Methapyrilene hydrochloride

CAS Number: 135-23-9

Date Report Requested: 09/17/2018

Time Report Requested: 20:40:42

Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 |
|-------------------------------|-------------|-------------|-------------|-----------------|-----------------|
| Vehicle Control ¹ | 14 ± 0.6 | 11 ± 0.3 | 19 ± 0.6 | 23 ± 3.0 | 16 ± 4.2 |
| 33.0 | | 11 ± 0.3 | 17 ± 3.0 | | |
| 100.0 | 15 ± 2.6 | 9 ± 0.6 | 16 ± 2.9 | 11 ± 2.3 | 17 ± 1.3 |
| 333.0 | 8 ± 1.0 | 9 ± 0.6 | 17 ± 1.5 | 16 ± 4.2 | 12 ± 2.0 |
| 1000.0 | 11 ± 2.1 | 10 ± 1.2 | 15 ± 1.3 | 16 ± 1.0 | 10 ± 1.9 |
| 3333.0 | Toxic | 9 ± 1.2 | Toxic | 13 ± 3.3 | 6 ± 0.3 |
| 10000.0 | 0 ± 0.0 | | | 10 ± 2.0 | 2 ± 0.3 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ⁴ | | | | 168 ± 24.0 | 1040 ± 83.1 |
| Positive Control ³ | 1158 ± 44.0 | 1241 ± 33.2 | 1113 ± 49.6 | | |

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G06: Ames Summary Data

Test Compound: Methapyrilene hydrochloride

CAS Number: 135-23-9

Date Report Requested: 09/17/2018

Time Report Requested: 20:40:42

Strain: TA1535

| Dose (ug/Plate) | With 10% Hamster S9 | With 10% Hamster S9 |
|-------------------------------|----------------------------|----------------------------|
| Vehicle Control ¹ | 20 ± 1.5 | 12 ± 0.7 |
| 33.0 | | |
| 100.0 | 23 ± 1.7 | 13 ± 1.7 |
| 333.0 | 17 ± 3.2 | 11 ± 2.2 |
| 1000.0 | 16 ± 1.0 | 9 ± 2.5 |
| 3333.0 | 16 ± 3.2 | 4 ± 0.7 |
| 10000.0 | 9 ± 2.5 | 4 ± 1.3 |
| Trial Summary | Negative | Negative |
| Positive Control ⁴ | 183 ± 10.4 | 847 ± 170.6 |
| Positive Control ³ | | |

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Test Type: Genetic Toxicology - Bacterial Mutagenicity

G06: Ames Summary Data

Test Compound: Methapyrilene hydrochloride

CAS Number: 135-23-9

Date Report Requested: 09/17/2018

Time Report Requested: 20:40:42

Strain: TA1537

| Dose (ug/Plate) | Without S9 | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 |
|-------------------------------|-------------|------------|------------|-----------------|-----------------|
| Vehicle Control ¹ | 10 ± 4.1 | 6 ± 1.2 | 11 ± 2.8 | 18 ± 0.3 | 13 ± 2.6 |
| 33.0 | | 6 ± 1.2 | 14 ± 1.2 | | |
| 100.0 | 14 ± 1.2 | 7 ± 0.6 | 11 ± 1.7 | 24 ± 3.2 | 14 ± 2.2 |
| 333.0 | 9 ± 0.9 | 4 ± 1.5 | 11 ± 2.1 | 18 ± 1.5 | 8 ± 0.9 |
| 1000.0 | 6 ± 2.1 | 5 ± 0.6 | 5 ± 0.7 | 16 ± 3.8 | 6 ± 1.2 |
| 3333.0 | Toxic | 2 ± 0.3 | Toxic | 19 ± 2.5 | 7 ± 2.5 |
| 10000.0 | 0 ± 0.0 | | | 18 ± 2.5 | 1 ± 0.6 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ⁴ | | | | 273 ± 42.7 | 234 ± 73.9 |
| Positive Control ⁵ | 678 ± 121.2 | 251 ± 26.3 | 935 ± 55.3 | | |

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Test Compound: Methapyrilene hydrochloride
CAS Number: 135-23-9

Date Report Requested: 09/17/2018

Time Report Requested: 20:40:42

Strain: TA1537

| Dose (ug/Plate) | With 10% Hamster S9 | With 10% Hamster S9 |
|-------------------------------|----------------------------|----------------------------|
| Vehicle Control ¹ | 22 ± 1.8 | 13 ± 1.3 |
| 33.0 | | |
| 100.0 | 27 ± 1.5 | 16 ± 3.6 |
| 333.0 | 23 ± 4.2 | 12 ± 2.4 |
| 1000.0 | 20 ± 3.1 | 5 ± 2.6 |
| 3333.0 | 20 ± 1.7 | 9 ± 1.2 |
| 10000.0 | 10 ± 2.7 | 7 ± 0.3 |
| Trial Summary | Negative | Negative |
| Positive Control ⁴ | 328 ± 6.9 | 133 ± 7.0 |
| Positive Control ⁵ | | |

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Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data

Test Compound: Methapyrilene hydrochloride
CAS Number: 135-23-9

Date Report Requested: 09/17/2018

Time Report Requested: 20:40:42

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 |
|-------------------------------|------------|------------|------------|-----------------|-----------------|
| Vehicle Control ¹ | | 20 ± 0.3 | 28 ± 1.5 | 43 ± 4.9 | 29 ± 2.6 |
| Vehicle Control ⁶ | 17 ± 1.8 | | | | |
| 33.0 | | 22 ± 1.2 | 30 ± 3.0 | | |
| 100.0 | 30 ± 4.5 | 20 ± 0.3 | 32 ± 1.5 | 35 ± 2.4 | 29 ± 1.9 |
| 333.0 | 19 ± 3.9 | 19 ± 3.6 | 33 ± 1.5 | 41 ± 2.3 | 19 ± 3.2 |
| 1000.0 | 11 ± 0.7 | 13 ± 3.5 | 28 ± 1.9 | 28 ± 4.3 | 19 ± 2.0 |
| 3333.0 | Toxic | 15 ± 0.7 | Toxic | 28 ± 2.9 | 14 ± 0.3 |
| 10000.0 | 0 ± 0.0 | | | 32 ± 2.3 | 14 ± 1.5 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | 363 ± 7.9 | 1258 ± 66.5 |
| Positive Control ⁷ | 548 ± 26.5 | 374 ± 10.1 | 602 ± 13.3 | | |

Experiment Number: 769480

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Methapyrilene hydrochloride
CAS Number: 135-23-9

Date Report Requested: 09/17/2018

Time Report Requested: 20:40:42

Strain: TA98

| Dose (ug/Plate) | With 10% Hamster S9 | With 10% Hamster S9 |
|-------------------------------|----------------------------|----------------------------|
| Vehicle Control ¹ | 43 ± 2.0 | 36 ± 4.0 |
| Vehicle Control ⁶ | | |
| 33.0 | | |
| 100.0 | 44 ± 4.8 | 34 ± 3.6 |
| 333.0 | 40 ± 0.6 | 30 ± 5.5 |
| 1000.0 | 38 ± 3.5 | 30 ± 3.5 |
| 3333.0 | 34 ± 4.4 | 23 ± 3.7 |
| 10000.0 | 32 ± 1.5 | 22 ± 0.6 |
| Trial Summary | Negative | Negative |
| Positive Control ² | 736 ± 9.3 | 528 ± 52.4 |
| Positive Control ⁷ | | |

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G06: Ames Summary Data

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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: 3.3 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: Vehicle Control: Dimethyl Sulfoxide

7: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****