

Experiment Number: 374887

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data

Test Compound: **2-Chloromethylpyridine hydrochloride**

CAS Number: **6959-47-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **03:16:07**

NTP Study Number:

374887

Study Result:

Positive

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G06: Ames Summary Data

Test Compound: 2-Chloromethylpyridine hydrochloride
CAS Number: 6959-47-3

Date Report Requested: 09/14/2018

Time Report Requested: 03:16:07

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-----------------|-------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 56 ± 3.5 | 82 ± 3.5 | 74 ± 3.7 | 79 ± 3.0 | 92 ± 4.0 |
| 33.0 | 53 ± 4.9 | 85 ± 11.1 | | | |
| 100.0 | 53 ± 4.7 | 101 ± 3.0 | 103 ± 4.4 | 121 ± 7.4 | 110 ± 10.3 |
| 333.0 | 66 ± 4.3 | 129 ± 4.7 | 122 ± 13.9 | 150 ± 12.1 | 98 ± 9.2 |
| 1000.0 | 91 ± 1.8 | 147 ± 10.1 | 161 ± 6.9 | 216 ± 28.9 | 168 ± 18.3 |
| 3333.0 | 137 ± 11.3 | 281 ± 7.0 | 285 ± 10.9 | 340 ± 24.6 | 261 ± 32.8 |
| 10000.0 | | | 301 ± 41.6 | 359 ± 43.2 | 388 ± 37.6 |
| Trial Summary | Weakly Positive | Positive | Positive | Positive | Positive |
| Positive Control ² | | | 1042 ± 180.5 | 1404 ± 104.3 | 1547 ± 98.9 |
| Positive Control ³ | 533 ± 31.9 | 671 ± 138.7 | | | |

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Strain: TA100

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 108 ± 11.3 |
| 33.0 | |
| 100.0 | 117 ± 15.4 |
| 333.0 | 184 ± 1.2 |
| 1000.0 | 223 ± 6.8 |
| 3333.0 | 346 ± 8.4 |
| 10000.0 | 353 ± 24.0 |
| Trial Summary | Positive |
| Positive Control ² | 1441 ± 113.6 |
| Positive Control ³ | |

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Test Compound: **2-Chloromethylpyridine hydrochloride**

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Date Report Requested: **09/14/2018**

Time Report Requested: **03:16:07**

Strain: TA1535

| Dose (ug/Plate) | Without S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-------------------|------------------------|----------------------------|
| Vehicle Control ¹ | 6 ± 1.5 | 8 ± 0.6 | 9 ± 0.9 |
| 33.0 | 6 ± 0.3 | | |
| 100.0 | 3 ± 1.2 | 7 ± 1.3 | 8 ± 1.9 |
| 333.0 | 5 ± 1.8 | 5 ± 2.4 | 10 ± 0.6 |
| 1000.0 | 4 ± 1.9 | 9 ± 1.5 | 6 ± 1.5 |
| 3333.0 | 5 ± 2.0 | 9 ± 0.7 | 7 ± 1.2 |
| 10000.0 | | 1 ± 0.6 | 3 ± 1.2 |
| Trial Summary | Negative | Negative | Negative |
| Positive Control ² | | 69 ± 9.4 | 52 ± 5.5 |
| Positive Control ³ | 232 ± 59.7 | | |

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Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Chloromethylpyridine hydrochloride
CAS Number: 6959-47-3

Date Report Requested: 09/14/2018

Time Report Requested: 03:16:07

Strain: TA1537

| Dose (ug/Plate) | Without S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-------------------|------------------------|----------------------------|
| Vehicle Control ¹ | 3 ± 0.3 | 6 ± 2.5 | 7 ± 1.8 |
| 33.0 | 3 ± 1.2 | | |
| 100.0 | 2 ± 0.3 | 5 ± 0.6 | 7 ± 2.3 |
| 333.0 | 4 ± 1.8 | 3 ± 0.0 | 5 ± 0.7 |
| 1000.0 | 2 ± 0.7 | 4 ± 0.9 | 7 ± 0.9 |
| 3333.0 | 1 ± 0.7 | 3 ± 0.3 | 5 ± 1.2 |
| 10000.0 | | 1 ± 0.6 | 3 ± 0.3 |
| Trial Summary | Negative | Negative | Negative |
| Positive Control ² | | 51 ± 5.0 | 49 ± 11.8 |
| Positive Control ⁴ | 140 ± 8.7 | | |

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Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Chloromethylpyridine hydrochloride
CAS Number: 6959-47-3

Date Report Requested: 09/14/2018

Time Report Requested: 03:16:07

Strain: TA98

| Dose (ug/Plate) | Without S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-------------------|------------------------|----------------------------|
| Vehicle Control ¹ | 15 ± 2.3 | 22 ± 0.9 | 18 ± 3.5 |
| 33.0 | 16 ± 3.4 | | |
| 100.0 | 15 ± 1.2 | 17 ± 2.3 | 21 ± 3.8 |
| 333.0 | 16 ± 2.9 | 23 ± 3.6 | 19 ± 0.9 |
| 1000.0 | 13 ± 1.0 | 22 ± 1.5 | 28 ± 2.7 |
| 3333.0 | 3 ± 0.9 | 26 ± 1.5 | 22 ± 0.7 |
| 10000.0 | | 5 ± 0.6 | 7 ± 1.5 |
| Trial Summary | Negative | Negative | Negative |
| Positive Control ² | | 467 ± 10.1 | 893 ± 54.1 |
| Positive Control ⁵ | 79 ± 7.0 | | |

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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: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****