

Experiment Number: 504743

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

G06: Ames Summary Data

Test Compound: **1-Acetyl-2-picolinoyl hydrazine**

CAS Number: 17433-31-7

Date Report Requested: **09/12/2018**

Time Report Requested: **05:40:43**

NTP Study Number:

504743

Study Result:

Negative

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Test Compound: 1-Acetyl-2-picolinoyl hydrazine

CAS Number: 17433-31-7

Date Report Requested: 09/12/2018

Time Report Requested: 05:40:43

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------------------|----------------------|-----------------------|-----------------|---------------------|
| Vehicle Control ¹ | 119 ± 4.2 | 166 ± 7.0 | 121 ± 7.8 | 156 ± 12.0 | 112 ± 6.7 |
| 100.0 | 125 ± 1.5 | 159 ± 3.5 | 126 ± 1.9 | 133 ± 5.2 | 128 ± 4.7 |
| 333.0 | 128 ± 3.5 | 141 ± 5.5 | 115 ± 4.9 | 119 ± 4.6 | 121 ± 2.7 |
| 1000.0 | 125 ± 7.6 | 152 ± 3.5 | 127 ± 7.2 | 150 ± 11.3 | 135 ± 8.4 |
| 3333.0 | 73 ± 25.7 ^s | 123 ± 22.1 | 141 ± 10.7 | 154 ± 10.1 | 169 ± 25.1 |
| 10000.0 | Toxic | 4 ± 1.0 ^s | 22 ± 8.2 ^s | Toxic | 89 ± 8.1 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | 420 ± 7.0 | 482 ± 13.4 | | | |
| Positive Control ³ | | | 612 ± 14.7 | 1703 ± 202.1 | 1027 ± 43.5 |

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CAS Number: 17433-31-7

Date Report Requested: 09/12/2018

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Strain: TA100

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 138 ± 10.6 |
| 100.0 | 136 ± 1.2 |
| 333.0 | 126 ± 7.3 |
| 1000.0 | 149 ± 18.8 |
| 3333.0 | 94 ± 47.6 |
| 10000.0 | 3 ± 0.6 ^s |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 1978 ± 31.5 |

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Test Compound: 1-Acetyl-2-picolinoyl hydrazine

CAS Number: 17433-31-7

Date Report Requested: 09/12/2018

Time Report Requested: 05:40:43

Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|----------------------|----------------------|----------------------|
| Vehicle Control ¹ | 29 ± 0.9 | 39 ± 3.4 | 13 ± 0.6 | 16 ± 0.9 | 11 ± 1.8 |
| 100.0 | 30 ± 2.1 | 29 ± 0.3 | 13 ± 2.6 | 11 ± 2.5 | 14 ± 0.3 |
| 333.0 | 30 ± 4.6 | 27 ± 3.0 | 13 ± 2.0 | 9 ± 3.0 | 10 ± 3.1 |
| 1000.0 | 29 ± 3.4 | 37 ± 4.2 | 15 ± 4.6 | 8 ± 0.6 | 10 ± 4.4 |
| 3333.0 | 16 ± 1.3 | 16 ± 3.5 | 11 ± 2.0 | 11 ± 2.4 | 13 ± 3.8 |
| 10000.0 | Toxic | Toxic | 1 ± 0.0 ^s | 2 ± 1.0 ^s | 6 ± 1.2 ^s |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | 554 ± 6.7 | 452 ± 25.5 | | | |
| Positive Control ⁴ | | | 346 ± 24.7 | 528 ± 24.8 | 377 ± 16.4 |

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G06: Ames Summary Data

Test Compound: 1-Acetyl-2-picolinoyl hydrazine

CAS Number: 17433-31-7

Date Report Requested: 09/12/2018

Time Report Requested: 05:40:43

Strain: TA1535

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 16 ± 0.6 |
| 100.0 | 12 ± 1.3 |
| 333.0 | 10 ± 2.0 |
| 1000.0 | 12 ± 1.7 |
| 3333.0 | 14 ± 2.5 |
| 10000.0 | 5 ± 3.5 ^s |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ⁴ | 606 ± 23.6 |

Experiment Number: 504743

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

Test Compound: 1-Acetyl-2-picolinoyl hydrazine

CAS Number: 17433-31-7

Date Report Requested: 09/12/2018

Time Report Requested: 05:40:43

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 ± 0.7 | 13 ± 0.3 | 8 ± 1.0 | 12 ± 3.2 | 9 ± 1.8 |
| 100.0 | 6 ± 1.5 | 6 ± 0.9 | 7 ± 3.0 | 9 ± 0.3 | 6 ± 2.8 |
| 333.0 | 8 ± 2.7 | 7 ± 0.9 | 6 ± 1.5 | 7 ± 0.3 | 6 ± 0.9 |
| 1000.0 | 6 ± 1.5 | 4 ± 1.7 | 9 ± 2.0 | 9 ± 1.7 | 7 ± 2.8 |
| 3333.0 | 8 ± 1.0 | 6 ± 3.2 | 8 ± 2.3 | 9 ± 1.5 | 9 ± 2.7 |
| 10000.0 | Toxic | Toxic | 2 ± 0.0 ^s | 3 ± 1.2 ^s | 5 ± 2.1 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ⁴ | | | 234 ± 14.0 | 308 ± 36.0 | 324 ± 8.8 |
| Positive Control ⁵ | 141 ± 3.2 | 382 ± 35.8 | | | |

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Test Compound: 1-Acetyl-2-picolinoyl hydrazine

CAS Number: 17433-31-7

Date Report Requested: 09/12/2018

Time Report Requested: 05:40:43

Strain: TA1537

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 16 ± 2.1 |
| 100.0 | 10 ± 2.3 |
| 333.0 | 9 ± 2.1 |
| 1000.0 | 7 ± 0.9 |
| 3333.0 | 9 ± 3.5 |
| 10000.0 | 2 ± 0.5 ^s |
| Trial Summary | Negative |
| Positive Control ⁴ | 367 ± 4.4 |
| Positive Control ⁵ | |

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Test Compound: 1-Acetyl-2-picolinoyl hydrazine

CAS Number: 17433-31-7

Date Report Requested: 09/12/2018

Time Report Requested: 05:40:43

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|----------------------|----------------------|-----------------|---------------------|
| Vehicle Control ¹ | 23 ± 4.9 | 28 ± 2.2 | 36 ± 3.3 | 36 ± 3.2 | 28 ± 2.0 |
| 100.0 | 20 ± 3.2 | 22 ± 6.6 | 38 ± 4.4 | 25 ± 2.7 | 32 ± 2.0 |
| 333.0 | 19 ± 5.7 | 21 ± 1.7 | 33 ± 1.5 | 25 ± 5.8 | 30 ± 6.5 |
| 1000.0 | 18 ± 0.0 | 19 ± 3.6 | 32 ± 2.0 | 26 ± 6.2 | 29 ± 8.5 |
| 3333.0 | 10 ± 1.5 | 21 ± 4.7 | 23 ± 4.7 | 27 ± 3.8 | 28 ± 7.2 |
| 10000.0 | Toxic | 5 ± 1.0 ^s | 7 ± 2.3 ^s | Toxic | 22 ± 2.3 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ³ | | | 507 ± 21.0 | 1080 ± 15.6 | 1048 ± 40.5 |
| Positive Control ⁶ | 536 ± 43.2 | 767 ± 21.9 | | | |

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Test Compound: 1-Acetyl-2-picolinoyl hydrazine

CAS Number: 17433-31-7

Date Report Requested: 09/12/2018

Time Report Requested: 05:40:43

Strain: TA98

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 29 ± 0.7 |
| 100.0 | 33 ± 0.6 |
| 333.0 | 29 ± 3.1 |
| 1000.0 | 36 ± 2.6 |
| 3333.0 | 26 ± 4.1 |
| 10000.0 | Toxic |
| Trial Summary | Negative |
| Positive Control ³ | 1503 ± 69.9 |
| 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: Dimethyl Sulfoxide

2: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

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 ****