

Experiment Number: A39228

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

G06: Ames Summary Data

Test Compound: **6-Hydroxy-4(1H)-pyrimidinone**

CAS Number: 1193-24-4

Date Report Requested: **09/16/2018**

Time Report Requested: **21:23:33**

NTP Study Number:

A39228

Study Result:

Negative

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Test Compound: 6-Hydroxy-4(1H)-pyrimidinone
CAS Number: 1193-24-4

Date Report Requested: 09/16/2018

Time Report Requested: 21:23:33

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 118 ± 5.2 | 107 ± 4.9 | 106 ± 4.7 | 115 ± 7.4 | 121 ± 3.9 |
| 0.0 | | 0 ± 0.0 | | | |
| 100.0 | 119 ± 0.9 | 110 ± 1.2 | 101 ± 2.8 | 127 ± 1.5 | 118 ± 0.7 |
| 333.0 | 115 ± 2.6 | 110 ± 4.7 | 108 ± 4.6 | 109 ± 0.6 | 111 ± 2.2 |
| 1000.0 | 107 ± 0.7 | 109 ± 0.9 | 110 ± 2.4 | 114 ± 3.0 | 111 ± 1.9 |
| 3333.0 | 121 ± 6.2 | 101 ± 2.1 | 110 ± 5.5 | 119 ± 4.2 | 111 ± 1.7 |
| 10000.0 | 95 ± 4.0 | 89 ± 4.9 | 68 ± 4.9 | 112 ± 2.8 | 92 ± 2.8 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 567 ± 18.3 |
| Positive Control ³ | | | 449 ± 22.9 | | |
| Positive Control ⁴ | 831 ± 19.2 | 849 ± 21.4 | | | |
| Positive Control ⁵ | | | | 484 ± 11.5 | |

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CAS Number: 1193-24-4

Date Report Requested: **09/16/2018**

Time Report Requested: **21:23:33**

Strain: TA100

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 97 ± 3.7 |
| 0.0 | |
| 100.0 | 107 ± 2.8 |
| 333.0 | 112 ± 1.5 |
| 1000.0 | 108 ± 7.1 |
| 3333.0 | 99 ± 5.2 |
| 10000.0 | 109 ± 10.7 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 658 ± 9.3 |
| Positive Control ⁴ | |
| Positive Control ⁵ | |

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Test Compound: 6-Hydroxy-4(1H)-pyrimidinone
CAS Number: 1193-24-4

Date Report Requested: 09/16/2018

Time Report Requested: 21:23:33

Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 7 ± 1.2 | 10 ± 0.9 | 11 ± 1.9 | 13 ± 0.7 | 12 ± 1.2 |
| 100.0 | 7 ± 0.3 | 11 ± 0.3 | 12 ± 0.3 | 11 ± 2.0 | 10 ± 0.9 |
| 333.0 | 8 ± 0.6 | 9 ± 0.3 | 15 ± 0.6 | 10 ± 1.7 | 12 ± 1.7 |
| 1000.0 | 6 ± 0.9 | 9 ± 0.7 | 10 ± 0.3 | 8 ± 0.6 | 9 ± 0.3 |
| 3333.0 | 7 ± 0.6 | 9 ± 0.9 | 9 ± 0.7 | 8 ± 0.3 | 11 ± 2.3 |
| 10000.0 | 10 ± 1.3 | 9 ± 1.2 | 10 ± 0.6 | 8 ± 0.9 | 10 ± 0.9 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ³ | | | | | 104 ± 8.4 |
| Positive Control ⁴ | 868 ± 23.0 | 874 ± 16.5 | | | |
| Positive Control ⁵ | | | 89 ± 7.8 | | |
| Positive Control ⁶ | | | | 121 ± 2.3 | |

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G06: Ames Summary Data
Test Compound: 6-Hydroxy-4(1H)-pyrimidinone
CAS Number: 1193-24-4

Date Report Requested: 09/16/2018
Time Report Requested: 21:23:33

Strain: TA1535

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 12 ± 1.7 |
| 100.0 | 9 ± 1.5 |
| 333.0 | 11 ± 1.3 |
| 1000.0 | 8 ± 0.7 |
| 3333.0 | 8 ± 0.3 |
| 10000.0 | 8 ± 0.9 |
| Trial Summary | Negative |
| Positive Control ³ | |
| Positive Control ⁴ | |
| Positive Control ⁵ | 253 ± 26.0 |
| Positive Control ⁶ | |

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Test Compound: 6-Hydroxy-4(1H)-pyrimidinone
CAS Number: 1193-24-4

Date Report Requested: 09/16/2018

Time Report Requested: 21:23:33

Strain: TA97

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 147 ± 6.2 | 111 ± 5.0 | 154 ± 5.2 | 164 ± 9.1 | 160 ± 4.1 |
| 100.0 | 149 ± 7.7 | 114 ± 2.0 | 160 ± 11.4 | 175 ± 9.4 | 164 ± 0.3 |
| 333.0 | 160 ± 5.7 | 115 ± 0.6 | 145 ± 5.6 | 181 ± 3.0 | 162 ± 2.6 |
| 1000.0 | 151 ± 6.4 | 109 ± 6.4 | 153 ± 5.9 | 188 ± 7.0 | 154 ± 10.7 |
| 3333.0 | 176 ± 6.1 | 114 ± 6.4 | 162 ± 7.4 | 179 ± 10.3 | 163 ± 8.7 |
| 10000.0 | 159 ± 1.7 | 92 ± 13.1 | 151 ± 3.5 | 191 ± 4.3 | 165 ± 3.8 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 542 ± 5.6 |
| Positive Control ³ | | | 487 ± 40.5 | | |
| Positive Control ⁵ | | | | 537 ± 13.3 | |
| Positive Control ⁷ | 549 ± 26.0 | 491 ± 17.3 | | | |

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Test Compound: 6-Hydroxy-4(1H)-pyrimidinone

CAS Number: 1193-24-4

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Strain: TA97

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 179 ± 10.7 |
| 100.0 | 181 ± 3.9 |
| 333.0 | 173 ± 5.3 |
| 1000.0 | 177 ± 9.2 |
| 3333.0 | 192 ± 9.4 |
| 10000.0 | 181 ± 3.0 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 603 ± 19.1 |
| Positive Control ⁵ | |
| Positive Control ⁷ | |

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

Test Compound: 6-Hydroxy-4(1H)-pyrimidinone
CAS Number: 1193-24-4

Date Report Requested: 09/16/2018

Time Report Requested: 21:23:33

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 19 ± 0.9 | 23 ± 2.3 | 24 ± 1.8 | 20 ± 2.1 | 19 ± 0.9 |
| 100.0 | 21 ± 2.1 | 20 ± 1.0 | 19 ± 0.3 | 20 ± 4.9 | 20 ± 0.3 |
| 333.0 | 14 ± 1.2 | 17 ± 1.8 | 21 ± 2.0 | 18 ± 3.1 | 17 ± 2.7 |
| 1000.0 | 16 ± 2.1 | 18 ± 2.1 | 25 ± 3.1 | 19 ± 3.3 | 18 ± 1.2 |
| 3333.0 | 20 ± 0.0 | 21 ± 2.7 | 19 ± 0.6 | 17 ± 1.2 | 19 ± 1.5 |
| 10000.0 | 13 ± 2.7 | 20 ± 0.3 | 16 ± 1.5 | 16 ± 1.7 | 19 ± 1.3 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 549 ± 39.3 |
| Positive Control ³ | | | 383 ± 30.3 | | |
| Positive Control ⁸ | 440 ± 15.9 | 492 ± 2.0 | | | |
| Positive Control ⁵ | | | | 437 ± 11.2 | |

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Time Report Requested: 21:23:33

Strain: TA98

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 15 ± 2.5 |
| 100.0 | 16 ± 1.8 |
| 333.0 | 19 ± 0.9 |
| 1000.0 | 19 ± 0.9 |
| 3333.0 | 21 ± 4.2 |
| 10000.0 | 16 ± 1.2 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 548 ± 35.1 |
| Positive Control ⁸ | |
| Positive Control ⁵ | |

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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: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 10.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****