

Experiment Number: 945906

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Phenazopyridine hydrochloride

CAS Number: 136-40-3

Date Report Requested: 09/17/2018

Time Report Requested: 16:39:15

NTP Study Number:

945906

Study Result:

Positive

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Test Compound: Phenazopyridine hydrochloride

CAS Number: 136-40-3

Date Report Requested: 09/17/2018

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Strain: TA100

| Dose (ug/Plate) | With 10% Rat S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 | With 10% Hamster S9 |
|-------------------------------|-----------------------|-------------------------|-----------------|-----------------------|------------------------|
| Vehicle Control ¹ | 110 ± 5.2 | 97 ± 11.0 | 106 ± 0.9 | 97 ± 6.5 | 118 ± 7.8 |
| 33.0 | | | 142 ± 8.1 | | |
| 50.0 | | | 140 ± 6.7 | | |
| 100.0 | 176 ± 16.5 | 138 ± 0.0 | | 157 ± 3.8 | 132 ± 4.8 |
| 166.0 | | | 194 ± 5.8 | | |
| 333.0 | 188 ± 7.7 | 145 ± 1.0 | 181 ± 4.5 | 157 ± 9.3 | 169 ± 3.6 |
| 500.0 | | | 196 ± 7.1 | | |
| 1000.0 | 30 ± 4.9 ^s | 100 ± 10.2 ^s | | 74 ± 4.6 ^s | 114 ± 7.5 ^s |
| 3333.0 | Toxic | Toxic | | Toxic | Toxic |
| 10000.0 | Toxic | Toxic | | Toxic | Toxic |
| Trial Summary | Positive | Weakly Positive | Positive | Weakly Positive | Equivocal |
| Positive Control ² | 305 ± 5.9 | | 466 ± 15.0 | 1439 ± 202.6 | |
| Positive Control ³ | | 267 ± 3.4 | | | 216 ± 13.4 |

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Strain: TA100

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 98 ± 5.7 |
| 33.0 | 150 ± 6.8 |
| 50.0 | 158 ± 10.0 |
| 100.0 | |
| 166.0 | 145 ± 2.1 |
| 333.0 | 163 ± 11.0 |
| 500.0 | 144 ± 21.0 |
| 1000.0 | |
| 3333.0 | |
| 10000.0 | |
| Trial Summary | Weakly Positive |
| Positive Control ² | 1401 ± 54.4 |
| Positive Control ³ | |

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Strain: TA98

| Dose (ug/Plate) | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-----------------------|----------------------|-----------------------|-----------------|-----------------------|
| Vehicle Control ¹ | 17 ± 2.3 | 23 ± 1.0 | 20 ± 1.7 | 33 ± 2.9 | 21 ± 1.7 |
| 33.0 | 18 ± 2.6 | | | 37 ± 1.2 | |
| 50.0 | 22 ± 0.0 | | | 40 ± 7.4 | |
| 100.0 | | 38 ± 1.5 | 45 ± 1.5 | | 45 ± 2.9 |
| 166.0 | 26 ± 3.2 | | | 50 ± 4.4 | |
| 333.0 | 12 ± 5.2 ^s | 45 ± 0.9 | 43 ± 4.2 | 43 ± 1.3 | 38 ± 2.4 |
| 500.0 | 9 ± 2.6 ^s | | | 41 ± 2.0 | |
| 1000.0 | | 5 ± 3.3 ^s | 17 ± 6.5 ^s | | 30 ± 1.8 ^s |
| 3333.0 | | Toxic | Toxic | | Toxic |
| 10000.0 | | Toxic | Toxic | | Toxic |
| Trial Summary | Negative | Weakly Positive | Positive | Negative | Weakly Positive |
| Positive Control ² | 30 ± 6.8 | | 262 ± 11.0 | 118 ± 5.2 | |
| Positive Control ³ | | 153 ± 5.0 | | | 90 ± 7.0 |

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G06: Ames Summary Data

Test Compound: Phenazopyridine hydrochloride
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Date Report Requested: 09/17/2018

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Strain: TA98

| Dose (ug/Plate) | With 10% Hamster S9 | With 10% Hamster S9 |
|-------------------------------|----------------------|---------------------|
| Vehicle Control ¹ | 19 ± 1.2 | 23 ± 2.3 |
| 33.0 | | 37 ± 2.7 |
| 50.0 | | 41 ± 3.1 |
| 100.0 | 40 ± 3.3 | |
| 166.0 | | 38 ± 1.8 |
| 333.0 | 41 ± 1.5 | 33 ± 5.0 |
| 500.0 | | 36 ± 0.3 |
| 1000.0 | 1 ± 0.7 ^s | |
| 3333.0 | Toxic | |
| 10000.0 | Toxic | |
| Trial Summary | Positive | Negative |
| Positive Control ² | 927 ± 23.8 | 643 ± 3.1 |
| Positive Control ³ | | |

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 240.0 ug/Plate Trypan Blue

s: Slight Toxicity

**** END OF REPORT ****