

Experiment Number: 593024

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 6-Methoxy-2-benzothiazolamine

CAS Number: 1747-60-0

Date Report Requested: 09/14/2018

Time Report Requested: 18:13:50

NTP Study Number:

593024

Study Result:

Positive

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G06: Ames Summary Data

Test Compound: 6-Methoxy-2-benzothiazolamine

CAS Number: 1747-60-0

Date Report Requested: 09/14/2018

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Strain: TA100

| Dose (ug/Plate) | Without S9 | With 30% Rat S9 | With 30% Rat S9 | With 30% Hamster S9 | With 30% Hamster S9 |
|-------------------------------|-----------------------|-----------------|-----------------|---------------------|---------------------|
| Vehicle Control ¹ | 100 ± 2.6 | 141 ± 11.6 | 187 ± 4.6 | 127 ± 6.8 | 200 ± 3.2 |
| 0.3 | | | 190 ± 1.7 | | 197 ± 4.6 |
| 1.0 | | 163 ± 6.9 | 222 ± 6.8 | 116 ± 2.1 | 195 ± 8.0 |
| 3.3 | | | 306 ± 17.5 | | 211 ± 0.9 |
| 10.0 | | 805 ± 32.3 | 1011 ± 25.5 | 258 ± 28.7 | 375 ± 5.9 |
| 33.0 | 94 ± 7.5 | | | | |
| 100.0 | 109 ± 4.2 | 3648 ± 243.2 | 3805 ± 11.3 | 3178 ± 123.5 | 3745 ± 34.2 |
| 333.0 | 99 ± 4.3 | 1489 ± 142.8 | | 3158 ± 130.0 | |
| 667.0 | | 901 ± 86.3 | | 1331 ± 94.8 | |
| 1000.0 | 87 ± 6.6 | | | | |
| 3333.0 | 18 ± 2.3 ^s | | | | |
| Trial Summary | Negative | Positive | Positive | Positive | Positive |
| Positive Control ² | 348 ± 15.9 | | | | |
| Positive Control ³ | | | | 690 ± 10.3 | 481 ± 8.4 |
| Positive Control ⁴ | | 498 ± 45.9 | 881 ± 6.7 | | |

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Time Report Requested: 18:13:50

Strain: TA98

| Dose (ug/Plate) | Without S9 | With 30% Rat S9 | With 30% Rat S9 | With 30% Hamster S9 | With 30% Hamster S9 |
|-------------------------------|-----------------------|-----------------|-----------------|---------------------|---------------------|
| Vehicle Control ¹ | 19 ± 3.8 | 25 ± 0.6 | 25 ± 3.0 | 23 ± 2.1 | 32 ± 6.4 |
| 0.3 | | | 58 ± 1.8 | | 40 ± 5.6 |
| 1.0 | | 163 ± 10.7 | 203 ± 1.2 | 67 ± 4.2 | 74 ± 3.5 |
| 3.3 | | | 684 ± 43.3 | | 197 ± 10.6 |
| 10.0 | | 2079 ± 159.7 | 2858 ± 40.2 | 984 ± 58.6 | 1166 ± 79.7 |
| 33.0 | 19 ± 2.5 | | | | |
| 100.0 | 20 ± 2.3 | 4376 ± 58.9 | 4778 ± 18.5 | 5025 ± 24.1 | 4803 ± 61.3 |
| 333.0 | 28 ± 3.1 | 2688 ± 128.7 | | 3552 ± 214.5 | |
| 667.0 | | 2059 ± 183.7 | | 2585 ± 85.4 | |
| 1000.0 | 31 ± 3.7 | | | | |
| 3333.0 | 10 ± 2.3 ^s | | | | |
| Trial Summary | Negative | Positive | Positive | Positive | Positive |
| Positive Control ⁵ | | | | 180 ± 54.1 | 70 ± 6.5 |
| Positive Control ³ | | 162 ± 11.1 | 224 ± 10.7 | | |
| Positive Control ⁶ | 163 ± 9.6 | | | | |

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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: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 0.4 ug/Plate 2-Aminoanthracene

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****