

Experiment Number: A30419

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

G06: Ames Summary Data

Test Compound: **Sodium mercaptobenzothiazole**

CAS Number: 2492-26-4

Date Report Requested: 09/16/2018

Time Report Requested: 15:15:19

NTP Study Number:

A30419

Study Result:

Negative

Experiment Number: A30419

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G06: Ames Summary Data

Test Compound: Sodium mercaptobenzothiazole
CAS Number: 2492-26-4

Date Report Requested: 09/16/2018

Time Report Requested: 15:15:19

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|----------------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 115 ± 5.4 | 105 ± 2.3 | 110 ± 1.5 | 132 ± 11.2 | 102 ± 2.6 |
| 10.0 | 102 ± 4.5 | 94 ± 2.4 | 97 ± 6.8 | 117 ± 2.9 | 113 ± 1.3 |
| 33.0 | 101 ± 2.2 | 102 ± 1.5 | 105 ± 2.3 | 123 ± 12.5 | 107 ± 10.2 |
| 100.0 | 106 ± 0.7 | 99 ± 3.3 | 106 ± 10.7 | 135 ± 4.9 | 109 ± 3.2 |
| 333.0 | 99 ± 4.4 | 105 ± 1.9 | 92 ± 3.8 | 117 ± 4.1 | 112 ± 4.3 |
| 1000.0 | 68 ± 14.7 | 8 ± 3.2 ^s | 109 ± 2.7 | 115 ± 4.3 | 54 ± 10.7 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 372 ± 11.0 |
| Positive Control ³ | | | 340 ± 7.9 | | |
| Positive Control ⁴ | 837 ± 10.2 | 1041 ± 5.8 | | | |
| Positive Control ⁵ | | | | 327 ± 12.7 | |

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CAS Number: 2492-26-4

Date Report Requested: 09/16/2018

Time Report Requested: 15:15:19

Strain: TA100

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 132 ± 8.6 |
| 10.0 | 108 ± 1.5 |
| 33.0 | 111 ± 7.4 |
| 100.0 | 126 ± 1.2 |
| 333.0 | 105 ± 9.8 |
| 1000.0 | 100 ± 7.1 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 352 ± 11.7 |
| Positive Control ⁴ | |
| Positive Control ⁵ | |

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Test Compound: Sodium mercaptobenzothiazole
CAS Number: 2492-26-4

Date Report Requested: 09/16/2018

Time Report Requested: 15:15:19

Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 8 ± 1.9 | 12 ± 1.0 | 10 ± 1.5 | 10 ± 1.7 | 11 ± 2.0 |
| 0.0 | | | 0 ± 0.0 | | |
| 10.0 | 9 ± 1.7 | 8 ± 1.3 | 8 ± 0.3 | 13 ± 2.3 | 10 ± 1.5 |
| 33.0 | 7 ± 1.2 | 10 ± 1.0 | 9 ± 0.3 | 10 ± 1.2 | 11 ± 2.3 |
| 100.0 | 10 ± 1.7 | 11 ± 0.3 | 9 ± 0.9 | 9 ± 1.3 | 11 ± 2.0 |
| 333.0 | 7 ± 1.2 | 14 ± 1.5 | 10 ± 0.9 | 8 ± 0.7 | 10 ± 1.2 |
| 1000.0 | 8 ± 1.0 | 4 ± 0.9 | 10 ± 1.3 | 9 ± 1.2 | 9 ± 1.2 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ³ | | | | | 142 ± 6.0 |
| Positive Control ⁴ | 922 ± 7.5 | 853 ± 17.1 | | | |
| Positive Control ⁵ | | | 106 ± 11.2 | | |
| Positive Control ⁶ | | | | 145 ± 6.8 | |

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Test Compound: Sodium mercaptobenzothiazole
CAS Number: 2492-26-4

Date Report Requested: 09/16/2018

Time Report Requested: 15:15:19

Strain: TA1535

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 11 ± 1.2 |
| 0.0 | |
| 10.0 | 8 ± 0.0 |
| 33.0 | 10 ± 1.0 |
| 100.0 | 8 ± 0.3 |
| 333.0 | 11 ± 1.2 |
| 1000.0 | 9 ± 1.8 |
| Trial Summary | Negative |
| Positive Control ³ | |
| Positive Control ⁴ | |
| Positive Control ⁵ | 223 ± 7.2 |
| Positive Control ⁶ | |

Experiment Number: A30419

Test Type: Genetic Toxicology - Bacterial
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Test Compound: Sodium mercaptobenzothiazole
CAS Number: 2492-26-4

Date Report Requested: 09/16/2018

Time Report Requested: 15:15:19

Strain: TA97

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 119 ± 4.4 | 139 ± 6.6 | 138 ± 1.5 | 133 ± 11.6 | 153 ± 8.8 |
| 10.0 | 107 ± 0.7 | 143 ± 5.3 | 143 ± 14.3 | 113 ± 4.8 | 155 ± 3.8 |
| 33.0 | 112 ± 7.9 | 146 ± 8.1 | 155 ± 6.9 | 119 ± 11.2 | 154 ± 12.3 |
| 100.0 | 116 ± 3.6 | 122 ± 3.9 | 128 ± 7.2 | 127 ± 1.3 | 154 ± 3.0 |
| 333.0 | 98 ± 3.8 | 109 ± 7.2 | 145 ± 4.8 | 117 ± 4.6 | 125 ± 9.3 |
| 1000.0 | 42 ± 1.2 | 37 ± 3.2 | 118 ± 9.8 | 62 ± 6.4 | 91 ± 13.1 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 347 ± 13.3 |
| Positive Control ³ | | | 337 ± 17.8 | | |
| Positive Control ⁵ | | | | 352 ± 10.4 | |
| Positive Control ⁷ | 407 ± 19.1 | 396 ± 19.9 | | | |

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Test Compound: Sodium mercaptobenzothiazole

CAS Number: 2492-26-4

Date Report Requested: 09/16/2018

Time Report Requested: 15:15:19

Strain: TA97

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 139 ± 11.5 |
| 10.0 | 140 ± 3.9 |
| 33.0 | 125 ± 3.9 |
| 100.0 | 130 ± 6.7 |
| 333.0 | 127 ± 0.3 |
| 1000.0 | 83 ± 4.7 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 391 ± 3.8 |
| Positive Control ⁵ | |
| Positive Control ⁷ | |

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Test Compound: Sodium mercaptobenzothiazole
CAS Number: 2492-26-4

Date Report Requested: 09/16/2018

Time Report Requested: 15:15:19

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 16 ± 1.2 | 20 ± 0.9 | 16 ± 1.5 | 21 ± 0.3 | 19 ± 2.0 |
| 10.0 | 17 ± 1.5 | 14 ± 1.7 | 14 ± 0.6 | 17 ± 2.2 | 26 ± 1.2 |
| 33.0 | 17 ± 2.7 | 12 ± 0.9 | 19 ± 0.9 | 16 ± 1.2 | 21 ± 1.8 |
| 100.0 | 12 ± 0.3 | 15 ± 1.3 | 17 ± 1.5 | 21 ± 3.2 | 22 ± 1.0 |
| 333.0 | 12 ± 0.9 | 11 ± 1.2 | 17 ± 4.3 | 18 ± 0.9 | 19 ± 2.9 |
| 1000.0 | 8 ± 1.5 | 6 ± 1.8 | 18 ± 3.0 | 13 ± 0.7 | 13 ± 2.9 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 374 ± 18.8 |
| Positive Control ³ | | | 320 ± 14.7 | | |
| Positive Control ⁸ | 318 ± 8.4 | 322 ± 36.4 | | | |
| Positive Control ⁵ | | | | 245 ± 4.3 | |

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Time Report Requested: 15:15:19

Strain: TA98

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 19 ± 3.5 |
| 10.0 | 19 ± 4.4 |
| 33.0 | 20 ± 2.7 |
| 100.0 | 18 ± 2.0 |
| 333.0 | 19 ± 0.9 |
| 1000.0 | 15 ± 0.3 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 263 ± 7.8 |
| 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

s: Slight Toxicity

**** END OF REPORT ****