Experiment Number: **456535**

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

**G06: Ames Summary Data**

Test Compound: **tert-Dodecyl mercaptan**

CAS Number: **25103-58-6**

Date Report Requested: **09/11/2018**

Time Report Requested: **04:26:25**

**NTP Study Number:** 456535

**Study Result:** Negative

Experiment Number: **456535**

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

**G06: Ames Summary Data**

Test Compound: **tert-Dodecyl mercaptan**

CAS Number: **25103-58-6**

Date Report Requested: **09/11/2018**

Time Report Requested: **04:26:25**

**Strain: TA100**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 134 ± 4.4 | 99 ± 3.2 | 113 ± 0.9 | 141 ± 5.7 | 107 ± 2.6 |
| 100.0 | 109 ± 4.7 | 103 ± 6.4 | 128 ± 22.5 | 129 ± 4.4 | 130 ± 0.9 |
| 333.0 | 122 ± 11.7 | 109 ± 2.5 | 146 ± 9.3 | 129 ± 8.7 | 128 ± 12.1 |
| 1000.0 | 104 ± 5.9 | 99 ± 6.1 | 118 ± 8.8 | 118 ± 5.0 | 121 ± 6.8 |
| 3333.0 | 104 ± 6.6 | 90 ± 4.7 | 115 ± 9.9 | 131 ± 10.2 | 108 ± 5.2 |
| 10000.0 | 96 ± 8.1 | 84 ± 4.0 | 116 ± 11.0 | 114 ± 12.7 | 103 ± 2.3 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[2] | | | | | 782 ± 40.0 |
| Positive Control[3] | | | 471 ± 11.9 | | |
| Positive Control[4] | | | | 373 ± 1.2 | |
| Positive Control[5] | 734 ± 20.6 | 687 ± 93.9 | | | |

Experiment Number: **456535**

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

**G06: Ames Summary Data**

Test Compound: **tert-Dodecyl mercaptan**

CAS Number: **25103-58-6**

Date Report Requested: **09/11/2018**

Time Report Requested: **04:26:25**

**Strain: TA100**

| Dose (ug/Plate) | With 30% Hamster S9 |
|---|---|
| Vehicle Control[1] | 149 ± 1.5 |
| 100.0 | 143 ± 7.0 |
| 333.0 | 135 ± 9.0 |
| 1000.0 | 125 ± 6.5 |
| 3333.0 | 123 ± 6.7 |
| 10000.0 | 119 ± 9.0 |
| Trial Summary | Negative |
| Positive Control[2] | |
| Positive Control[3] | 542 ± 22.7 |
| Positive Control[4] | |
| Positive Control[5] | |

Experiment Number: **456535**

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

**G06: Ames Summary Data**

Test Compound: **tert-Dodecyl mercaptan**

CAS Number: **25103-58-6**

Date Report Requested: **09/11/2018**

Time Report Requested: **04:26:25**

**Strain: TA1535**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 9 ± 0.9 | 8 ± 1.0 | 10 ± 0.7 | 12 ± 3.3 | 9 ± 1.0 |
| 100.0 | 7 ± 1.9 | 10 ± 0.9 | 12 ± 1.5 | 13 ± 1.5 | 9 ± 1.5 |
| 333.0 | 9 ± 0.9 | 8 ± 1.7 | 10 ± 0.3 | 11 ± 0.9 | 9 ± 0.6 |
| 1000.0 | 6 ± 1.7 | 7 ± 0.3 | 11 ± 1.2 | 13 ± 1.2 | 10 ± 1.9 |
| 3333.0 | 8 ± 0.3 | 9 ± 2.3 | 6 ± 1.5 | 13 ± 0.3 | 7 ± 1.3 |
| 10000.0 | 9 ± 0.6 | 8 ± 2.2 | 8 ± 1.9 | 9 ± 0.9 | 12 ± 0.9 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[3] | | | | | 135 ± 15.6 |
| Positive Control[4] | | | 91 ± 11.4 | | |
| Positive Control[5] | 447 ± 24.0 | 364 ± 61.9 | | | |
| Positive Control[6] | | | | 98 ± 7.8 | |

Experiment Number: **456535**

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

**G06: Ames Summary Data**

Test Compound: **tert-Dodecyl mercaptan**

CAS Number: **25103-58-6**

Date Report Requested: **09/11/2018**

Time Report Requested: **04:26:25**

**Strain: TA1535**

| Dose (ug/Plate) | With 30% Hamster S9 |
|---|---|
| Vehicle Control[1] | 9 ± 1.5 |
| 100.0 | 9 ± 1.2 |
| 333.0 | 12 ± 0.6 |
| 1000.0 | 10 ± 2.3 |
| 3333.0 | 10 ± 0.9 |
| 10000.0 | 8 ± 2.0 |
| Trial Summary | Negative |
| Positive Control[3] | |
| Positive Control[4] | 260 ± 7.9 |
| Positive Control[5] | |
| Positive Control[6] | |

Experiment Number: **456535**

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

**G06: Ames Summary Data**

Test Compound: **tert-Dodecyl mercaptan**

CAS Number: **25103-58-6**

Date Report Requested: **09/11/2018**

Time Report Requested: **04:26:25**

**Strain: TA97**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 167 ± 15.1 | 183 ± 8.4 | 207 ± 8.7 | 188 ± 10.9 | 186 ± 5.8 |
| 100.0 | 165 ± 4.8 | 189 ± 1.2 | 211 ± 7.4 | 178 ± 5.7 | 218 ± 4.3 |
| 333.0 | 192 ± 7.0 | 174 ± 6.4 | 207 ± 9.6 | 165 ± 13.4 | 216 ± 3.7 |
| 1000.0 | 184 ± 9.5 | 188 ± 5.2 | 202 ± 7.3 | 183 ± 7.0 | 217 ± 7.5 |
| 3333.0 | 181 ± 10.6 | 186 ± 5.6 | 218 ± 2.3 | 173 ± 7.5 | 214 ± 2.9 |
| 10000.0 | 183 ± 5.2 | 196 ± 6.7 | 223 ± 22.8 | 188 ± 9.2 | 213 ± 11.0 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[2] | | | | | 514 ± 31.8 |
| Positive Control[3] | | | 412 ± 6.8 | | |
| Positive Control[4] | | | | 438 ± 12.3 | |
| Positive Control[7] | 445 ± 9.9 | 445 ± 13.8 | | | |

Experiment Number: **456535**

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

**G06: Ames Summary Data**

Test Compound: **tert-Dodecyl mercaptan**

CAS Number: **25103-58-6**

Date Report Requested: **09/11/2018**

Time Report Requested: **04:26:25**

**Strain: TA97**

| Dose (ug/Plate) | With 30% Hamster S9 |
|---|---|
| Vehicle Control[1] | 172 ± 1.5 |
| 100.0 | 171 ± 3.8 |
| 333.0 | 156 ± 5.0 |
| 1000.0 | 164 ± 3.8 |
| 3333.0 | 166 ± 2.9 |
| 10000.0 | 174 ± 1.5 |
| Trial Summary | Negative |
| Positive Control[2] | |
| Positive Control[3] | 431 ± 15.9 |
| Positive Control[4] | |
| Positive Control[7] | |

Experiment Number: **456535**

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

**G06: Ames Summary Data**

Test Compound: **tert-Dodecyl mercaptan**

CAS Number: **25103-58-6**

Date Report Requested: **09/11/2018**

Time Report Requested: **04:26:25**

**Strain: TA98**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 26 ± 4.2 | 22 ± 1.2 | 24 ± 1.9 | 18 ± 1.5 | 26 ± 1.0 |
| 100.0 | 24 ± 4.9 | 19 ± 3.2 | 29 ± 1.5 | 16 ± 0.3 | 26 ± 2.6 |
| 333.0 | 25 ± 2.3 | 18 ± 2.8 | 28 ± 2.6 | 18 ± 1.5 | 29 ± 3.5 |
| 1000.0 | 19 ± 4.3 | 16 ± 1.5 | 22 ± 2.7 | 19 ± 3.5 | 26 ± 3.3 |
| 3333.0 | 14 ± 1.2 | 11 ± 2.4 | 27 ± 4.1 | 20 ± 3.0 | 26 ± 0.7 |
| 10000.0 | 17 ± 1.8 | 17 ± 3.5 | 26 ± 4.0 | 17 ± 1.2 | 19 ± 3.1 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[2] | | | | | 571 ± 25.8 |
| Positive Control[3] | | | 329 ± 4.9 | 121 ± 7.4 | |
| Positive Control[8] | 527 ± 18.6 | 454 ± 14.9 | | | |

Experiment Number: **456535**

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

**G06: Ames Summary Data**

Test Compound: **tert-Dodecyl mercaptan**

CAS Number: **25103-58-6**

Date Report Requested: **09/11/2018**

Time Report Requested: **04:26:25**

**Strain: TA98**

| Dose (ug/Plate) | With 30% Hamster S9 |
|---|---|
| Vehicle Control[1] | 23 ± 4.9 |
| 100.0 | 26 ± 0.6 |
| 333.0 | 22 ± 5.0 |
| 1000.0 | 24 ± 3.4 |
| 3333.0 | 17 ± 1.7 |
| 10000.0 | 22 ± 3.5 |
| Trial Summary | Negative |
| Positive Control[2] | |
| Positive Control[3] | 486 ± 11.4 |
| Positive Control[8] | |

**LEGEND**

Values given as Mean or Mean ± 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: 1.0 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate 2-Aminoanthracene
5: 5.0 ug/Plate Sodium Azide
6: 5.0 ug/Plate 2-Aminoanthracene
7: 50.0 ug/Plate 9-Aminoacridine
8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **