Experiment Number: **197454**

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

**G06: Ames Summary Data**

Test Compound: **2-Bromobiphenyl**

CAS Number: **2052-07-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **08:05:37**

**NTP Study Number:** 197454

**Study Result:** Negative

Experiment Number: **197454**

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

**G06: Ames Summary Data**

Test Compound: **2-Bromobiphenyl**

CAS Number: **2052-07-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **08:05:37**

**Strain: TA100**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 95 ± 7.8 | 121 ± 10.2 | 98 ± 4.8 | 117 ± 10.7 | 82 ± 4.2 |
| 0.3 | | 119 ± 14.3 | | | |
| 1.0 | 111 ± 1.5 | 130 ± 10.6 | | | |
| 3.0 | 94 ± 8.7 | 102 ± 7.2 | | | |
| 10.0 | 72 ± 4.9 | 33 ± 12.8[s] | 109 ± 3.6 | 126 ± 11.7 | 111 ± 15.9 |
| 33.0 | 0 ± 0.0[s] | 10 ± 3.9[s] | 120 ± 4.7 | 113 ± 11.5 | 119 ± 4.9 |
| 100.0 | 0 ± 0.0[s] | | 122 ± 5.5 | 100 ± 5.5 | 109 ± 9.0 |
| 333.0 | | | 99 ± 7.2 | 56 ± 6.7[s] | 54 ± 3.2[s] |
| 1000.0 | | | 31 ± 5.8[s] | 14 ± 8.7[s] | 0 ± 0.0[s] |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[2] | | | 298 ± 31.4 | 1916 ± 134.6 | 495 ± 16.8 |
| Positive Control[3] | 507 ± 18.0 | 275 ± 20.7 | | | |

Experiment Number: **197454**

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

**G06: Ames Summary Data**

Test Compound: **2-Bromobiphenyl**

CAS Number: **2052-07-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **08:05:37**

**Strain: TA100**

| Dose (ug/Plate) | With 10% Hamster S9 |
|---|---|
| Vehicle Control[1] | 120 ± 9.2 |
| 0.3 | |
| 1.0 | |
| 3.0 | 131 ± 2.3 |
| 10.0 | 132 ± 1.8 |
| 33.0 | 125 ± 8.4 |
| 100.0 | 110 ± 16.4 |
| 333.0 | 78 ± 7.8[s] |
| 1000.0 | |
| Trial Summary | Negative |
| Positive Control[2] | 2236 ± 41.9 |
| Positive Control[3] | |

Experiment Number: **197454**

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

**G06: Ames Summary Data**

Test Compound: **2-Bromobiphenyl**

CAS Number: **2052-07-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **08:05:37**

**Strain: TA1535**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 11 ± 2.3 | 7 ± 1.2 | 12 ± 1.9 | 7 ± 1.2 | 11 ± 2.4 |
| 0.3 | | 9 ± 2.7 | | | |
| 1.0 | 15 ± 1.2 | 9 ± 2.4 | | | |
| 3.0 | 14 ± 1.3 | 8 ± 2.3 | | | |
| 10.0 | 10 ± 2.7 | 5 ± 1.5[s] | 9 ± 2.0 | 8 ± 2.6 | 7 ± 0.9 |
| 33.0 | 7 ± 0.6[s] | 2 ± 1.0[s] | 10 ± 2.0 | 9 ± 3.0 | 9 ± 3.0 |
| 100.0 | 7 ± 1.2[s] | | 12 ± 1.3 | 7 ± 1.5 | 10 ± 2.7 |
| 333.0 | | | 5 ± 1.7 | 6 ± 0.6 | 6 ± 1.5 |
| 1000.0 | | | 3 ± 1.2[s] | 3 ± 0.0[s] | 2 ± 2.0[s] |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[3] | 387 ± 9.2 | 231 ± 20.5 | | | |
| Positive Control[4] | | | 260 ± 41.6 | 224 ± 92.7 | 434 ± 27.3 |

Experiment Number: **197454**

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

**G06: Ames Summary Data**

Test Compound: **2-Bromobiphenyl**

CAS Number: **2052-07-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **08:05:37**

**Strain: TA1535**

| Dose (ug/Plate) | With 10% Hamster S9 |
|---|---|
| Vehicle Control[1] | 5 ± 1.2 |
| 0.3 | |
| 1.0 | |
| 3.0 | 8 ± 2.3 |
| 10.0 | 9 ± 0.3 |
| 33.0 | 7 ± 0.9 |
| 100.0 | 5 ± 0.9 |
| 333.0 | 7 ± 1.5 |
| 1000.0 | |
| Trial Summary | Negative |
| Positive Control[3] | |
| Positive Control[4] | 614 ± 43.8 |

Experiment Number: **197454**

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

**G06: Ames Summary Data**

Test Compound: **2-Bromobiphenyl**

CAS Number: **2052-07-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **08:05:37**

**Strain: TA1537**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 5 ± 1.5 | 5 ± 0.3 | 7 ± 2.0 | 5 ± 1.5 | 7 ± 0.9 |
| 0.3 | | 5 ± 1.2 | | | |
| 1.0 | 8 ± 0.7 | 4 ± 0.6 | | | |
| 3.0 | 5 ± 0.3 | 6 ± 1.2 | | | |
| 10.0 | 8 ± 0.9 | 3 ± 1.5[s] | 5 ± 1.3 | 4 ± 0.6 | 6 ± 0.3 |
| 33.0 | 7 ± 2.7[s] | 3 ± 0.6[s] | 4 ± 0.3 | 8 ± 0.3 | 6 ± 1.2 |
| 100.0 | 4 ± 1.2[s] | | 5 ± 0.9 | 5 ± 1.0 | 4 ± 1.5 |
| 333.0 | | | 7 ± 0.9 | 3 ± 1.7[s] | 3 ± 1.2[s] |
| 1000.0 | | | 3 ± 1.0 | 1 ± 0.9[s] | 0 ± 0.0[s] |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[4] | | | 164 ± 6.2 | 77 ± 23.2 | 331 ± 32.9 |
| Positive Control[5] | 140 ± 25.9 | 261 ± 38.3 | | | |

Experiment Number: **197454**

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

**G06: Ames Summary Data**

Test Compound: **2-Bromobiphenyl**

CAS Number: **2052-07-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **08:05:37**

**Strain: TA1537**

| Dose (ug/Plate) | With 10% Hamster S9 |
|---|---|
| Vehicle Control[1] | 6 ± 1.2 |
| 0.3 | |
| 1.0 | |
| 3.0 | 6 ± 0.9 |
| 10.0 | 6 ± 1.5 |
| 33.0 | 8 ± 2.7 |
| 100.0 | 3 ± 0.3 |
| 333.0 | 4 ± 0.7 |
| 1000.0 | |
| Trial Summary | Negative |
| Positive Control[4] | 204 ± 30.1 |
| Positive Control[5] | |

Experiment Number: **197454**

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

**G06: Ames Summary Data**

Test Compound: **2-Bromobiphenyl**

CAS Number: **2052-07-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **08:05:37**

**Strain: TA98**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 18 ± 1.5 | 15 ± 0.9 | 31 ± 3.2 | 16 ± 1.5 | 21 ± 4.5 |
| 0.3 | | 18 ± 1.8 | | | |
| 1.0 | 22 ± 2.2 | 17 ± 2.4 | | | |
| 3.0 | 18 ± 0.9 | 16 ± 2.5 | | | |
| 10.0 | 15 ± 1.0 | 14 ± 1.7 | 28 ± 1.8 | 15 ± 1.5 | 31 ± 3.3 |
| 33.0 | 6 ± 0.6[s] | 9 ± 2.5[s] | 25 ± 3.7 | 18 ± 1.3 | 26 ± 4.6 |
| 100.0 | 8 ± 2.3[s] | | 27 ± 1.2 | 11 ± 2.8 | 26 ± 1.2 |
| 333.0 | | | 24 ± 1.3 | 6 ± 2.0[s] | 19 ± 2.9 |
| 1000.0 | | | 31 ± 3.5 | 0 ± 0.0[s] | 11 ± 4.7[s] |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[2] | | | 186 ± 19.0 | 634 ± 211.8 | 392 ± 7.0 |
| Positive Control[6] | 925 ± 27.8 | 788 ± 85.0 | | | |

Experiment Number: **197454**

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

**G06: Ames Summary Data**

Test Compound: **2-Bromobiphenyl**

CAS Number: **2052-07-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **08:05:37**

**Strain: TA98**

| Dose (ug/Plate) | With 10% Hamster S9 |
|---|---|
| Vehicle Control[1] | 19 ± 2.3 |
| 0.3 | |
| 1.0 | |
| 3.0 | 24 ± 4.3 |
| 10.0 | 30 ± 3.5 |
| 33.0 | 26 ± 7.0 |
| 100.0 | 17 ± 0.3 |
| 333.0 | 9 ± 2.1[s] |
| 1000.0 | |
| Trial Summary | Negative |
| Positive Control[2] | 875 ± 139.2 |
| Positive Control[6] | |

**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: 1.0 ug/Plate 2-Aminoanthracene
3: 1.0 ug/Plate Sodium Azide
4: 2.5 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **