

Experiment Number: 723012

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Allyl acrylate

CAS Number: 999-55-3

Date Report Requested: 09/12/2018

Time Report Requested: 18:47:55

NTP Study Number:

723012

Study Result:

Negative

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 Test Compound: Allyl acrylate
 CAS Number: 999-55-3

Date Report Requested: 09/12/2018
 Time Report Requested: 18:47:55

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------|-----------------------|
| Vehicle Control ¹ | 143 ± 8.7 | 109 ± 2.6 | 114 ± 6.9 | 114 ± 4.4 | 123 ± 10.1 |
| 10.0 | 135 ± 1.5 | 101 ± 5.8 | 121 ± 6.8 | 106 ± 6.0 | 114 ± 4.0 |
| 33.0 | 119 ± 9.7 | 91 ± 1.2 | 113 ± 2.5 | 118 ± 6.2 | 113 ± 4.3 |
| 100.0 | 147 ± 4.2 | 95 ± 2.7 ^s | 82 ± 3.4 | 102 ± 5.0 | 70 ± 1.9 |
| 333.0 | 110 ± 9.1 | 89 ± 4.4 ^s | 24 ± 1.2 ^s | 44 ± 5.8 | 41 ± 4.1 ^s |
| 667.0 | | | Toxic | 17 ± 2.2 | Toxic |
| 1000.0 | 90 ± 9.2 ^s | 80 ± 3.9 ^s | | | |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 923 ± 18.3 |
| Positive Control ³ | | | 1656 ± 29.2 | | |
| Positive Control ⁴ | | | | 426 ± 22.5 | |
| Positive Control ⁵ | 1417 ± 64.2 | 1083 ± 54.5 | | | |

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Strain: TA100

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 122 ± 6.4 |
| 10.0 | 97 ± 5.9 |
| 33.0 | 89 ± 2.3 |
| 100.0 | 78 ± 2.0 |
| 333.0 | 53 ± 3.3 |
| 667.0 | 30 ± 0.6 |
| 1000.0 | |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | |
| Positive Control ⁴ | 1275 ± 49.8 |
| Positive Control ⁵ | |

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Allyl acrylate

CAS Number: 999-55-3

Date Report Requested: 09/12/2018

Time Report Requested: 18:47:55

Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-------------|-----------------------|----------------------|-----------------|----------------------|
| Vehicle Control ¹ | 51 ± 6.9 | 26 ± 2.7 | 16 ± 2.9 | 16 ± 1.9 | 18 ± 3.2 |
| 10.0 | 55 ± 3.2 | 20 ± 2.0 | 17 ± 3.2 | 13 ± 1.8 | 20 ± 1.7 |
| 33.0 | 55 ± 4.6 | 25 ± 0.7 | 16 ± 0.7 | 13 ± 2.0 | 20 ± 3.6 |
| 100.0 | 51 ± 4.2 | 21 ± 3.2 | 14 ± 1.0 | 11 ± 0.6 | 19 ± 4.6 |
| 333.0 | 53 ± 4.1 | 29 ± 4.5 ^s | 12 ± 0.9 | 10 ± 2.2 | 14 ± 1.9 |
| 667.0 | | | 5 ± 0.7 ^s | 3 ± 1.2 | 2 ± 0.9 ^s |
| 1000.0 | 50 ± 3.3 | 22 ± 2.1 ^s | | | |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 150 ± 10.5 |
| Positive Control ³ | | | 145 ± 7.8 | | |
| Positive Control ⁴ | | | | 86 ± 1.2 | |
| Positive Control ⁵ | 1401 ± 40.9 | 903 ± 41.7 | | | |

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G06: Ames Summary Data
Test Compound: Allyl acrylate
CAS Number: 999-55-3

Date Report Requested: 09/12/2018
Time Report Requested: 18:47:55

Strain: TA1535

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 13 ± 0.9 |
| 10.0 | 10 ± 3.4 |
| 33.0 | 9 ± 2.0 |
| 100.0 | 17 ± 0.9 |
| 333.0 | 16 ± 1.2 |
| 667.0 | 10 ± 3.9 |
| 1000.0 | |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | |
| Positive Control ⁴ | 125 ± 5.2 |
| Positive Control ⁵ | |

Experiment Number: 723012

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Allyl acrylate

CAS Number: 999-55-3

Date Report Requested: 09/12/2018

Time Report Requested: 18:47:55

Strain: TA97

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------|------------------------|
| Vehicle Control ¹ | 123 ± 6.2 | 55 ± 2.3 | 159 ± 8.4 | 193 ± 1.8 | 150 ± 2.6 |
| 10.0 | 116 ± 4.0 | 48 ± 5.2 | 141 ± 11.0 | 179 ± 17.0 | 127 ± 0.6 |
| 33.0 | 122 ± 3.6 | 49 ± 7.7 | 130 ± 8.5 | 162 ± 7.2 | 125 ± 4.7 |
| 100.0 | 114 ± 5.6 | 44 ± 2.3 | 114 ± 6.9 | 163 ± 5.5 | 107 ± 8.1 |
| 333.0 | 103 ± 12.2 | 39 ± 4.6 ^s | 47 ± 8.8 ^s | 40 ± 3.8 | 41 ± 14.3 ^s |
| 667.0 | | | 3 ± 0.9 ^s | 2 ± 1.0 | 16 ± 8.3 ^s |
| 1000.0 | 90 ± 6.6 ^s | 26 ± 2.0 ^s | | | |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 890 ± 66.8 |
| Positive Control ³ | | | 1387 ± 46.2 | | |
| Positive Control ⁴ | | | | 490 ± 88.8 | |
| Positive Control ⁶ | 707 ± 33.9 | 876 ± 31.8 | | | |

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Strain: TA97

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 153 ± 11.8 |
| 10.0 | 159 ± 1.2 |
| 33.0 | 153 ± 10.0 |
| 100.0 | 103 ± 6.4 |
| 333.0 | 49 ± 3.8 |
| 667.0 | 14 ± 5.8 |
| 1000.0 | |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | |
| Positive Control ⁴ | 684 ± 15.3 |
| Positive Control ⁶ | |

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 Test Compound: Allyl acrylate
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Date Report Requested: 09/12/2018
 Time Report Requested: 18:47:55

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|--------------|-------------|-----------------------|-----------------|----------------------|
| Vehicle Control ¹ | 32 ± 2.2 | 35 ± 2.4 | 66 ± 3.8 | 44 ± 4.8 | 50 ± 2.1 |
| 10.0 | 33 ± 1.8 | 36 ± 2.3 | 53 ± 0.6 | 32 ± 2.3 | 48 ± 2.8 |
| 33.0 | 37 ± 1.2 | 31 ± 3.3 | 48 ± 1.8 | 37 ± 2.1 | 43 ± 5.3 |
| 100.0 | 31 ± 0.6 | 36 ± 2.3 | 47 ± 1.8 | 46 ± 4.1 | 45 ± 3.8 |
| 333.0 | 27 ± 5.4 | 36 ± 3.0 | 31 ± 3.5 | 34 ± 1.7 | 33 ± 3.3 |
| 667.0 | | | 12 ± 2.3 ^s | 25 ± 2.1 | 3 ± 0.0 ^s |
| 1000.0 | 30 ± 3.8 | 30 ± 1.5 | | | |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 931 ± 38.3 |
| Positive Control ³ | | | 2078 ± 21.1 | | |
| Positive Control ⁴ | | | | 304 ± 40.0 | |
| Positive Control ⁷ | 1754 ± 106.8 | 2227 ± 50.9 | | | |

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Strain: TA98

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 47 ± 6.0 |
| 10.0 | 43 ± 2.6 |
| 33.0 | 33 ± 4.2 |
| 100.0 | 34 ± 1.8 |
| 333.0 | 22 ± 1.5 |
| 667.0 | 25 ± 3.5 |
| 1000.0 | |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | |
| Positive Control ⁴ | 803 ± 22.0 |
| Positive Control ⁷ | |

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate Sodium Azide

6: 4.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

** END OF REPORT **