

Experiment Number: 762607

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Triallyl isocyanurate

CAS Number: 1025-15-6

Date Report Requested: 09/17/2018

Time Report Requested: 16:09:20

NTP Study Number:

762607

Study Result:

Negative

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Test Compound: Triallyl isocyanurate

CAS Number: 1025-15-6

Date Report Requested: 09/17/2018

Time Report Requested: 16:09:20

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 114 ± 9.0 | 91 ± 6.1 | 107 ± 3.7 | 97 ± 7.7 | 97 ± 14.0 |
| 33.0 | 126 ± 3.8 | 110 ± 12.0 | | | |
| 100.0 | 109 ± 11.7 | 87 ± 4.7 | 129 ± 11.8 | 107 ± 7.6 | 149 ± 17.3 |
| 333.0 | 105 ± 6.2 | 94 ± 3.5 | 119 ± 3.2 | 98 ± 3.3 | 92 ± 5.0 |
| 1000.0 | 92 ± 10.9 | 96 ± 8.4 | 94 ± 7.8 | 104 ± 3.0 | 74 ± 5.4 |
| 3333.0 | 90 ± 26.0 | 61 ± 4.2 | 80 ± 4.3 | 109 ± 22.9 | 88 ± 6.0 |
| 6666.0 | | | 98 ± 15.0 | 27 ± 3.4 | 70 ± 3.0 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 458 ± 84.4 |
| Positive Control ³ | | | 339 ± 69.0 | 413 ± 11.3 | |
| Positive Control ⁴ | 530 ± 25.2 | 497 ± 38.9 | | | |

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Strain: TA100

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 125 ± 7.4 |
| 33.0 | |
| 100.0 | 138 ± 11.4 |
| 333.0 | 125 ± 17.2 |
| 1000.0 | 119 ± 12.0 |
| 3333.0 | 104 ± 4.1 |
| 6666.0 | 85 ± 5.7 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 238 ± 17.8 |
| Positive Control ⁴ | |

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Date Report Requested: 09/17/2018

Time Report Requested: 16:09:20

Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 19 ± 1.2 | 20 ± 0.3 | 6 ± 2.1 | 10 ± 1.5 | 5 ± 0.7 |
| 33.0 | 13 ± 1.2 | 20 ± 3.5 | | | |
| 100.0 | 15 ± 2.1 | 18 ± 1.2 | 14 ± 3.3 | 12 ± 2.6 | 5 ± 1.5 |
| 333.0 | 11 ± 1.5 | 31 ± 5.5 | 9 ± 2.1 | 10 ± 2.0 | 7 ± 0.3 |
| 1000.0 | 9 ± 2.4 | 23 ± 2.7 | 8 ± 1.5 | 7 ± 1.2 | 7 ± 1.5 |
| 3333.0 | 11 ± 0.7 | 14 ± 1.5 | 5 ± 0.6 | 6 ± 1.5 | 5 ± 1.2 |
| 6666.0 | | | 6 ± 1.0 | 8 ± 2.3 | 2 ± 1.0 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ³ | | | | | 168 ± 20.4 |
| Positive Control ⁴ | 267 ± 4.7 | 332 ± 14.2 | | | |
| Positive Control ⁵ | | | 198 ± 10.7 | 100 ± 0.9 | |

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Test Compound: Triallyl isocyanurate
CAS Number: 1025-15-6

Date Report Requested: 09/17/2018
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Strain: TA1535

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 9 ± 2.2 |
| 33.0 | |
| 100.0 | 7 ± 1.7 |
| 333.0 | 12 ± 0.3 |
| 1000.0 | 10 ± 1.5 |
| 3333.0 | 9 ± 1.5 |
| 6666.0 | 7 ± 1.7 |
| Trial Summary | Negative |
| Positive Control ³ | |
| Positive Control ⁴ | |
| Positive Control ⁵ | 310 ± 24.2 |

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G06: Ames Summary Data

Test Compound: Triallyl isocyanurate

CAS Number: 1025-15-6

Date Report Requested: 09/17/2018

Time Report Requested: 16:09:20

Strain: TA1537

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|----------------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 7 ± 2.1 | 3 ± 0.6 | 8 ± 1.0 | 9 ± 1.3 | 5 ± 1.2 |
| 33.0 | 7 ± 2.6 | 5 ± 1.2 | | | |
| 100.0 | 7 ± 2.4 | 6 ± 2.1 | 7 ± 2.1 | 10 ± 0.9 | 5 ± 1.2 |
| 333.0 | 5 ± 0.3 | 6 ± 1.8 | 9 ± 0.7 | 9 ± 0.3 | 3 ± 0.3 |
| 1000.0 | 7 ± 0.3 | 5 ± 1.0 | 6 ± 2.0 | 6 ± 1.3 | 3 ± 1.5 |
| 3333.0 | 4 ± 0.7 | 3 ± 0.9 ^s | 7 ± 0.3 | 4 ± 0.0 | 4 ± 1.0 |
| 6666.0 | | | 6 ± 2.0 | 5 ± 0.0 | 4 ± 1.2 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 50 ± 2.9 |
| Positive Control ³ | | | 43 ± 2.8 | | |
| Positive Control ⁵ | | | | 56 ± 4.2 | |
| Positive Control ⁶ | 301 ± 29.2 | 376 ± 62.4 | | | |

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Test Compound: Triallyl isocyanurate
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Date Report Requested: 09/17/2018

Time Report Requested: 16:09:20

Strain: TA1537

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 12 ± 2.6 |
| 33.0 | |
| 100.0 | 12 ± 1.9 |
| 333.0 | 8 ± 4.2 |
| 1000.0 | 6 ± 0.0 |
| 3333.0 | 5 ± 1.3 |
| 6666.0 | 5 ± 0.6 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 49 ± 2.8 |
| Positive Control ⁵ | |
| Positive Control ⁶ | |

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Test Compound: Triallyl isocyanurate
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Date Report Requested: 09/17/2018

Time Report Requested: 16:09:20

Strain: TA97

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 149 ± 1.2 | 144 ± 1.7 | 166 ± 13.7 | 171 ± 12.5 | 155 ± 5.8 |
| 33.0 | 166 ± 8.0 | 149 ± 10.5 | | | |
| 100.0 | 161 ± 8.1 | 164 ± 4.9 | 186 ± 15.0 | 163 ± 17.4 | 184 ± 0.6 |
| 333.0 | 148 ± 3.8 | 172 ± 7.4 | 191 ± 7.4 | 205 ± 1.2 | 183 ± 8.7 |
| 1000.0 | 141 ± 11.7 | 165 ± 8.5 | 170 ± 4.6 | 160 ± 11.7 | 130 ± 16.3 |
| 3333.0 | 80 ± 6.3 | 137 ± 7.1 | 168 ± 20.8 | 96 ± 8.5 | 138 ± 19.3 |
| 6666.0 | | | 114 ± 23.8 | 34 ± 9.5 | 83 ± 6.4 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 613 ± 20.5 |
| Positive Control ³ | | | 498 ± 3.9 | | |
| Positive Control ⁵ | | | | 440 ± 6.9 | |
| Positive Control ⁶ | 499 ± 49.7 | 986 ± 88.5 | | | |

Experiment Number: 762607

Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data

Test Compound: Triallyl isocyanurate

CAS Number: 1025-15-6

Date Report Requested: 09/17/2018

Time Report Requested: 16:09:20

Strain: TA97

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 187 ± 10.7 |
| 33.0 | |
| 100.0 | 186 ± 10.4 |
| 333.0 | 186 ± 8.8 |
| 1000.0 | 131 ± 2.0 |
| 3333.0 | 95 ± 6.6 |
| 6666.0 | 65 ± 10.4 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 396 ± 6.8 |
| Positive Control ⁵ | |
| Positive Control ⁶ | |

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Test Compound: Triallyl isocyanurate

CAS Number: 1025-15-6

Date Report Requested: 09/17/2018

Time Report Requested: 16:09:20

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|-----------------------|
| Vehicle Control ¹ | 18 ± 1.7 | 16 ± 1.5 | 27 ± 0.0 | 27 ± 1.2 | 28 ± 2.5 |
| 33.0 | 20 ± 2.1 | 14 ± 2.9 | | | |
| 100.0 | 21 ± 2.9 | 12 ± 1.3 | 32 ± 0.3 | 28 ± 5.3 | 25 ± 2.4 |
| 333.0 | 18 ± 1.5 | 18 ± 0.7 | 35 ± 5.3 | 28 ± 1.9 | 33 ± 4.0 |
| 1000.0 | 16 ± 2.7 | 14 ± 1.0 | 25 ± 2.5 | 24 ± 2.6 | 24 ± 4.3 |
| 3333.0 | 18 ± 3.3 | 15 ± 1.8 | 16 ± 2.6 | 24 ± 1.5 | 11 ± 0.0 ^s |
| 6666.0 | | | 17 ± 1.7 | 24 ± 2.5 | 15 ± 2.9 ^s |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 384 ± 45.2 |
| Positive Control ³ | | | 318 ± 33.8 | 64 ± 2.0 | |
| Positive Control ⁷ | 449 ± 16.4 | 675 ± 40.9 | | | |

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Strain: TA98

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 23 ± 0.6 |
| 33.0 | |
| 100.0 | 21 ± 2.2 |
| 333.0 | 20 ± 2.6 |
| 1000.0 | 18 ± 3.5 |
| 3333.0 | 17 ± 0.7 |
| 6666.0 | 18 ± 2.2 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 69 ± 3.9 |
| 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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 50.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****