

Experiment Number: A95210

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: p-(Diethylamino)benzenediazonium chloride

CAS Number: 6217-19-2

Date Report Requested: 09/15/2018

Time Report Requested: 13:14:47

NTP Study Number:

A95210

Study Result:

Positive

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Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: p-(Diethylamino)benzenediazonium chloride
CAS Number: 6217-19-2

Time Report Requested: 13:14:47

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 30% Rat S9 | With 30% Rat S9 | With 30% Hamster S9 |
|-------------------------------|------------|-------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 106 ± 2.8 | 106 ± 2.2 | 138 ± 4.9 | 140 ± 6.7 | 130 ± 7.8 |
| 0.3 | 95 ± 3.3 | 107 ± 1.8 | | | |
| 1.0 | 131 ± 7.6 | 115 ± 10.5 | 131 ± 3.7 | | 134 ± 10.2 |
| 3.0 | 296 ± 17.2 | 179 ± 6.2 | 121 ± 13.7 | | 121 ± 9.1 |
| 6.0 | | 297 ± 5.6 | | | |
| 10.0 | 530 ± 17.9 | 383 ± 24.6 | 125 ± 6.4 | 128 ± 6.2 | 109 ± 7.6 |
| 16.0 | | | | 143 ± 4.0 | |
| 33.0 | 580 ± 19.8 | | 162 ± 10.4 | 234 ± 9.6 | 183 ± 7.5 |
| 66.0 | | | | 404 ± 17.3 | |
| 100.0 | | | 423 ± 14.0 | 476 ± 23.9 | 367 ± 31.7 |
| Trial Summary | Positive | Positive | Equivocal | Positive | Positive |
| Positive Control ² | | | | | 701 ± 15.9 |
| Positive Control ³ | 853 ± 10.6 | 1009 ± 32.4 | | | |
| Positive Control ⁴ | | | 794 ± 33.5 | 1148 ± 42.7 | |

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Strain: TA100

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 127 ± 10.7 |
| 0.3 | |
| 1.0 | |
| 3.0 | |
| 6.0 | |
| 10.0 | 128 ± 8.7 |
| 16.0 | 124 ± 8.3 |
| 33.0 | 260 ± 13.3 |
| 66.0 | 519 ± 21.4 |
| 100.0 | 539 ± 6.0 |
| Trial Summary | Positive |
| Positive Control ² | 625 ± 6.7 |
| Positive Control ³ | |
| Positive Control ⁴ | |

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Test Compound: p-(Diethylamino)benzenediazonium chloride

Time Report Requested: 13:14:47

CAS Number: 6217-19-2

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 30% Rat S9 | With 30% Rat S9 | With 30% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 10 ± 1.2 | 19 ± 2.9 | 19 ± 1.2 | 24 ± 3.2 | 16 ± 2.6 |
| 0.1 | | 14 ± 1.0 | | | |
| 0.3 | 19 ± 5.5 | 17 ± 1.8 | | | |
| 1.0 | 71 ± 4.6 | 35 ± 4.2 | 19 ± 4.4 | | 24 ± 2.1 |
| 3.0 | 231 ± 10.7 | 176 ± 4.8 | 22 ± 3.8 | | 24 ± 2.6 |
| 10.0 | 486 ± 16.2 | 511 ± 4.9 | 27 ± 3.5 | 32 ± 2.9 | 36 ± 2.8 |
| 16.0 | | | | 41 ± 2.7 | |
| 33.0 | 713 ± 28.9 | | 112 ± 10.5 | 78 ± 3.9 | 117 ± 14.6 |
| 66.0 | | | | 334 ± 15.5 | |
| 100.0 | | | 411 ± 5.0 | 560 ± 22.8 | 793 ± 41.0 |
| Trial Summary | Positive | Positive | Positive | Positive | Positive |
| Positive Control ² | | | | | 485 ± 24.6 |
| Positive Control ⁵ | 300 ± 16.0 | 356 ± 12.7 | | | |
| Positive Control ⁴ | | | 518 ± 13.7 | 785 ± 22.8 | |

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G06: Ames Summary Data

Test Compound: p-(Diethylamino)benzenediazonium chloride
CAS Number: 6217-19-2

Date Report Requested: 09/15/2018

Time Report Requested: 13:14:47

Strain: TA98

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 25 ± 3.8 |
| 0.1 | |
| 0.3 | |
| 1.0 | |
| 3.0 | 27 ± 6.4 |
| 10.0 | 30 ± 5.2 |
| 16.0 | 45 ± 6.4 |
| 33.0 | 161 ± 6.2 |
| 66.0 | 426 ± 13.5 |
| 100.0 | |
| Trial Summary | Positive |
| Positive Control ² | 367 ± 23.6 |
| Positive Control ⁵ | |
| Positive Control ⁴ | |

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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: 2.0 ug/Plate 2-Aminoanthracene

3: 5.0 ug/Plate Sodium Azide

4: 5.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****