

Experiment Number: **813172**

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

G06: Ames Summary Data

Test Compound: **Titanocene dichloride**

CAS Number: **1271-19-8**

Date Report Requested: **09/15/2018**

Time Report Requested: **13:48:46**

NTP Study Number:

813172

Study Result:

Positive

Experiment Number: 813172

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Mutagenicity

G06: Ames Summary Data

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Strain: TA100				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	91 ± 0.9	83 ± 7.6	82 ± 5.1	104 ± 2.1
33.3	166 ± 9.7	102 ± 0.0	93 ± 2.5	110 ± 9.2
100.0	178 ± 11.0	210 ± 8.5	94 ± 4.6	91 ± 12.3
333.3	193 ± 9.3	271 ± 4.3	89 ± 5.6	90 ± 8.4
1000.0	184 ± 20.9 ^s	153 ± 13.8 ^s	99 ± 7.2	101 ± 10.0
3333.3	85 ± 11.6 ^s	64 ± 4.4 ^s	93 ± 6.3	100 ± 13.4
Trial Summary	Positive	Positive	Negative	Negative
Positive Control ²			338 ± 9.4	1482 ± 54.3
Positive Control ³	352 ± 16.0	486 ± 21.5		

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	11 ± 2.0	7 ± 1.5	5 ± 0.3
33.3	18 ± 0.7	7 ± 1.2	5 ± 0.9
100.0	13 ± 3.5	7 ± 0.0	6 ± 2.0
333.3	13 ± 1.5	12 ± 2.3	7 ± 0.7
1000.0	14 ± 3.2 ^s	15 ± 1.0	7 ± 0.6
3333.3	4 ± 2.6 ^s	16 ± 5.2	14 ± 5.0
Trial Summary	Negative	Negative	Negative
Positive Control ³	285 ± 7.8		
Positive Control ⁴		211 ± 12.4	404 ± 18.0

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.7	18 ± 0.3	7 ± 1.0
33.3	6 ± 0.7	14 ± 2.3	5 ± 0.6
100.0	6 ± 1.8	18 ± 1.2	6 ± 1.5
333.3	7 ± 1.2	19 ± 1.0	4 ± 0.6
1000.0	7 ± 1.5 ^s	16 ± 2.0	5 ± 0.6
3333.3	5 ± 0.7 ^s	13 ± 1.9	4 ± 1.5
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		83 ± 6.9	466 ± 35.1
Positive Control ⁵	312 ± 24.1		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	24 ± 4.2	36 ± 3.1	33 ± 4.1
33.3	33 ± 4.6	30 ± 1.2	27 ± 3.5
100.0	38 ± 1.5	24 ± 2.0	25 ± 5.4
333.3	30 ± 1.2	26 ± 1.2	32 ± 2.6
1000.0	29 ± 5.6 ^S	28 ± 5.4	29 ± 1.9
3333.3	11 ± 3.2 ^S	21 ± 4.1	26 ± 3.6
Trial Summary	Equivocal	Negative	Negative
Positive Control ²		153 ± 12.2	1222 ± 59.4
Positive Control ⁶	529 ± 11.8		

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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: 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 ****