

Experiment Number: 546792

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: cis-Stilbene

CAS Number: 645-49-8

Date Report Requested: 09/13/2018

Time Report Requested: 17:34:57

NTP Study Number:

546792

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	107 ± 7.1	110 ± 5.0	95 ± 2.6	94 ± 3.2	84 ± 5.2
1.0	77 ± 4.0	114 ± 0.7	95 ± 3.6		91 ± 3.9
3.3	88 ± 11.7	136 ± 0.0	83 ± 4.6	109 ± 4.2	90 ± 4.0
10.0	68 ± 1.5	117 ± 11.0	83 ± 2.6	120 ± 6.9	87 ± 1.0
33.3	61 ± 6.2 ^s	112 ± 11.5	82 ± 9.7	116 ± 4.2	93 ± 5.5
100.0	30 ± 4.6 ^s	86 ± 9.2 ^s	67 ± 3.8	119 ± 7.7	88 ± 1.9
333.3				106 ± 6.8	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	465 ± 9.8	457 ± 5.0			
Positive Control ³			1022 ± 31.8	765 ± 59.6	1960 ± 98.5

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	113 ± 2.1
1.0	
3.3	92 ± 4.8
10.0	96 ± 3.7
33.3	101 ± 2.5
100.0	85 ± 3.8
333.3	67 ± 7.8 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1380 ± 36.4

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	24 ± 1.8	36 ± 1.5	15 ± 0.9	17 ± 4.6	9 ± 0.9
1.0	15 ± 1.0	32 ± 2.2	14 ± 2.9		12 ± 1.5
3.3	16 ± 1.7	30 ± 5.2	9 ± 1.8	13 ± 3.5	9 ± 1.3
10.0	15 ± 0.9	32 ± 2.6	10 ± 2.3	18 ± 3.5	15 ± 1.2
33.3	15 ± 1.5 ^s	30 ± 0.7	11 ± 0.9	18 ± 2.2	11 ± 1.9
100.0	18 ± 3.0 ^s	16 ± 0.9 ^s	10 ± 0.7	10 ± 2.3	12 ± 2.6
333.3				9 ± 1.5	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	324 ± 24.5	376 ± 5.7			
Positive Control ⁴			211 ± 6.6	321 ± 44.2	223 ± 7.9

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	16 ± 1.5
1.0	
3.3	15 ± 1.5
10.0	14 ± 2.9
33.3	19 ± 1.5
100.0	14 ± 3.8
333.3	109 ± 61.8 ^s
Trial Summary	No Call
Positive Control ²	
Positive Control ⁴	306 ± 6.4

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 2.5	17 ± 1.5	21 ± 2.2	36 ± 3.7	21 ± 1.2
1.0	10 ± 0.3	26 ± 10.5	19 ± 1.0		22 ± 1.7
3.3	11 ± 2.3	31 ± 1.3	15 ± 2.7	14 ± 3.2	20 ± 3.5
10.0	8 ± 2.0	17 ± 3.3	17 ± 4.4	20 ± 3.7	16 ± 2.1
33.3	7 ± 1.5	8 ± 1.3	14 ± 1.8	22 ± 2.7	19 ± 0.9
100.0	7 ± 0.6 ^s	8 ± 2.3 ^s	9 ± 1.5	16 ± 1.3	14 ± 2.3
333.3				9 ± 3.2	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			282 ± 25.4	319 ± 28.4	439 ± 24.2
Positive Control ⁵	171 ± 46.5	308 ± 8.0			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	40 ± 1.7
1.0	
3.3	14 ± 0.6
10.0	22 ± 4.3
33.3	16 ± 2.2
100.0	15 ± 2.1
333.3	9 ± 0.3 ^s
Trial Summary	Negative
Positive Control ⁴	635 ± 17.2
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	21 ± 2.4	37 ± 3.5	23 ± 1.7	47 ± 5.8	33 ± 1.8
1.0	17 ± 0.7	46 ± 6.4	22 ± 1.2		29 ± 0.9
3.3	17 ± 3.5	40 ± 2.6	20 ± 5.2	62 ± 0.9	24 ± 1.9
10.0	17 ± 3.8	35 ± 7.4	22 ± 0.6	59 ± 5.0	27 ± 3.0
33.3	18 ± 3.0	25 ± 3.2	26 ± 4.1	52 ± 2.2	25 ± 0.9
100.0	11 ± 2.3 ^s	21 ± 3.7 ^s	27 ± 2.9	40 ± 1.7	31 ± 4.3
333.3				39 ± 0.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			716 ± 58.9	509 ± 20.5	1331 ± 51.6
Positive Control ⁶	698 ± 37.3	850 ± 18.0			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	50 ± 2.9
1.0	
3.3	57 ± 2.6
10.0	56 ± 4.2
33.3	57 ± 3.2
100.0	44 ± 2.9
333.3	42 ± 5.5
Trial Summary	Negative
Positive Control ³	1170 ± 9.5
Positive Control ⁶	

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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 Sodium Azide
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 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 **