

Experiment Number: 320280

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Isoamyl cinnamate

CAS Number: 7779-65-9

Date Report Requested: 09/12/2018

Time Report Requested: 09:50:07

NTP Study Number:

320280

Study Result:

Negative

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Date Report Requested: 09/12/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	95 ± 2.4	103 ± 8.2	107 ± 2.9	127 ± 1.8	99 ± 7.3
100.0	101 ± 4.9	122 ± 3.1	117 ± 4.4	114 ± 13.3	108 ± 4.4
333.0	98 ± 2.6	100 ± 7.7	105 ± 6.6	116 ± 10.4	105 ± 3.3
1000.0	87 ± 5.4	110 ± 3.6	110 ± 3.9	119 ± 10.2	113 ± 2.6
3333.0	101 ± 2.3	104 ± 3.1	111 ± 4.5	118 ± 9.5	105 ± 13.3
10000.0	99 ± 6.4	102 ± 8.5	71 ± 14.3	86 ± 3.5	49 ± 11.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					462 ± 17.2
Positive Control ³			303 ± 12.2		
Positive Control ⁴				273 ± 10.0	
Positive Control ⁵	769 ± 25.8	1007 ± 21.8			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	109 ± 5.5
100.0	115 ± 6.7
333.0	100 ± 4.0
1000.0	102 ± 8.4
3333.0	95 ± 2.2
10000.0	88 ± 1.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	417 ± 32.1
Positive Control ⁴	
Positive Control ⁵	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	11 ± 1.9	8 ± 0.3	9 ± 1.2	13 ± 2.1	9 ± 0.9
100.0	10 ± 1.0	11 ± 1.3	8 ± 0.3	14 ± 2.6	6 ± 1.2
333.0	10 ± 1.5	9 ± 1.5	7 ± 1.9	11 ± 1.0	8 ± 0.7
1000.0	9 ± 1.2	7 ± 0.9	9 ± 0.3	15 ± 1.5	9 ± 1.5
3333.0	13 ± 2.4	7 ± 1.2	7 ± 1.2	12 ± 2.7	10 ± 3.1
10000.0	9 ± 0.6	9 ± 1.2	6 ± 2.0	11 ± 1.5	6 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					115 ± 2.0
Positive Control ⁴			83 ± 2.9		
Positive Control ⁵	852 ± 28.4	893 ± 18.0			
Positive Control ⁶				101 ± 6.2	

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Test Compound: Isoamyl cinnamate
CAS Number: 7779-65-9

Date Report Requested: 09/12/2018
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 1.3
100.0	11 ± 0.6
333.0	11 ± 0.6
1000.0	11 ± 0.6
3333.0	10 ± 1.0
10000.0	8 ± 1.3
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	448 ± 8.2
Positive Control ⁵	
Positive Control ⁶	

Experiment Number: 320280

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

Test Compound: Isoamyl cinnamate

CAS Number: 7779-65-9

Date Report Requested: 09/12/2018

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	120 ± 3.2	106 ± 6.2	130 ± 3.0	132 ± 8.8	127 ± 5.5
0.0		0 ± 0.0 ^x			
10.0	103 ± 3.2		135 ± 6.2	139 ± 7.9	128 ± 7.2
19.0		116 ± 3.7			
33.0	109 ± 4.4	116 ± 2.1	137 ± 3.2	137 ± 5.2	130 ± 2.3
100.0	115 ± 6.9	125 ± 4.4	121 ± 9.4	147 ± 4.0	133 ± 10.6
333.0	107 ± 4.7	111 ± 3.2	120 ± 6.9	142 ± 2.6	116 ± 4.7
1000.0	77 ± 10.8	117 ± 5.9	122 ± 5.2	103 ± 21.9	127 ± 9.7
3333.0	0 ± 0.0 ^x	0 ± 0.0 ^x	0 ± 0.0 ^x	0 ± 0.0 ^x	0 ± 0.0 ^x
10000.0	0 ± 0.0 ^x		0 ± 0.0 ^x	0 ± 0.0 ^x	0 ± 0.0 ^x
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					333 ± 17.7
Positive Control ³			288 ± 8.2		
Positive Control ⁴				249 ± 23.9	
Positive Control ⁷	303 ± 9.4	412 ± 0.7			

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Date Report Requested: 09/12/2018
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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	113 ± 12.4
0.0	
10.0	116 ± 5.2
19.0	
33.0	108 ± 9.0
100.0	105 ± 12.0
333.0	107 ± 7.5
1000.0	93 ± 9.9
3333.0	0 ± 0.0 ^x
10000.0	0 ± 0.0 ^x
Trial Summary	Negative
Positive Control ²	
Positive Control ³	353 ± 16.3
Positive Control ⁴	
Positive Control ⁷	

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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 ± 1.0	13 ± 0.7	18 ± 1.0	21 ± 2.6	21 ± 0.3
100.0	15 ± 1.0	13 ± 0.3	20 ± 0.6	22 ± 2.2	19 ± 2.5
333.0	17 ± 1.5	13 ± 2.3	18 ± 1.2	18 ± 1.0	16 ± 2.3
1000.0	14 ± 2.9	14 ± 0.3	16 ± 3.8	16 ± 1.2	15 ± 1.5
3333.0	17 ± 1.7	18 ± 1.5	11 ± 4.1	15 ± 1.3	15 ± 2.3
10000.0	15 ± 2.1	11 ± 3.1	14 ± 2.4	12 ± 2.5	14 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					406 ± 28.9
Positive Control ³			203 ± 14.6		
Positive Control ⁸	302 ± 13.0	348 ± 9.9			
Positive Control ⁴				243 ± 25.9	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	21 ± 1.5
100.0	22 ± 3.3
333.0	20 ± 1.3
1000.0	14 ± 2.6
3333.0	18 ± 0.9
10000.0	11 ± 2.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	260 ± 21.2
Positive Control ⁸	
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: 0.5 ug/Plate 2-Aminoanthracene
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 2.5 ug/Plate 2-Aminoanthracene
- 5: 5.0 ug/Plate Sodium Azide
- 6: 5.0 ug/Plate 2-Aminoanthracene
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
- x: Slight Toxicity and Precipitate

** END OF REPORT **