

Experiment Number: 334090

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

G06: Ames Summary Data

Test Compound: **Cinnamyl anthranilate**

CAS Number: **87-29-6**

Date Report Requested: **09/12/2018**

Time Report Requested: **21:59:00**

NTP Study Number:

334090

Study Result:

Negative

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Test Compound: Cinnamyl anthranilate

CAS Number: 87-29-6

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	114 ± 5.5	130 ± 1.2	109 ± 3.2	141 ± 13.7	127 ± 5.4
0.1	119 ± 13.9				
0.3	111 ± 8.1	137 ± 2.5			
1.0	119 ± 5.0	133 ± 6.3			
3.0	116 ± 16.3	149 ± 5.6			
10.0	104 ± 11.3	109 ± 11.5	118 ± 5.5	148 ± 7.2	120 ± 11.6
33.0		113 ± 7.9	122 ± 5.2	133 ± 9.7	116 ± 7.2
100.0			108 ± 4.6	140 ± 7.4	104 ± 3.5
333.0			92 ± 3.2	153 ± 9.8	112 ± 5.8
666.0			85 ± 5.2		107 ± 5.5
1000.0				125 ± 7.9 ^s	
3333.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1034 ± 34.2	435 ± 23.4	2419 ± 26.3
Positive Control ³	757 ± 53.9	412 ± 6.4			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	119 ± 6.1
0.1	
0.3	
1.0	
3.0	
10.0	
33.0	118 ± 13.4
100.0	111 ± 9.3
333.0	111 ± 9.9
666.0	102 ± 6.6
1000.0	114 ± 6.8
3333.0	91 ± 4.1 ^s
Trial Summary	Negative
Positive Control ²	1029 ± 58.4
Positive Control ³	

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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	22 ± 2.6	14 ± 1.7	16 ± 2.7	16 ± 1.2	11 ± 2.1
0.1	21 ± 2.9				
0.3	22 ± 2.7	17 ± 1.2			
1.0	26 ± 0.9	21 ± 2.0			
3.0	26 ± 2.9	21 ± 1.0			
10.0	29 ± 1.7	17 ± 1.2	11 ± 2.4	15 ± 1.7	11 ± 2.9
33.0		16 ± 2.0	8 ± 1.2	13 ± 2.3	8 ± 0.9
100.0			12 ± 2.0	17 ± 0.7	8 ± 0.9
333.0			9 ± 0.9	15 ± 1.2	10 ± 1.2
666.0			9 ± 1.0		7 ± 0.6
1000.0				10 ± 2.1	
3333.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	596 ± 19.1	330 ± 8.2			
Positive Control ⁴			310 ± 9.3	263 ± 8.7	539 ± 31.1

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	10 ± 1.2
0.1	
0.3	
1.0	
3.0	
10.0	
33.0	8 ± 2.0
100.0	8 ± 1.9
333.0	9 ± 2.5
666.0	7 ± 1.3
1000.0	9 ± 3.2
3333.0	8 ± 0.3 ^s
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	557 ± 67.0

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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	126 ± 8.5	162 ± 9.7	160 ± 14.1	170 ± 9.0	145 ± 5.3
0.1	142 ± 4.4				
0.3	134 ± 9.7	160 ± 8.7			
1.0	144 ± 6.8	176 ± 2.8			
3.0	141 ± 10.1	169 ± 5.1			
10.0	117 ± 5.0	125 ± 7.5	159 ± 6.2	198 ± 6.0	134 ± 9.2
33.0		124 ± 5.5 ^s	160 ± 4.4	162 ± 7.0	145 ± 7.1
100.0			146 ± 2.1	185 ± 11.0	152 ± 3.5
333.0			137 ± 19.4	160 ± 2.6	150 ± 2.5
666.0			144 ± 9.8		153 ± 3.8
1000.0				169 ± 4.1 ^s	
3333.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			1479 ± 49.5	612 ± 26.0	2255 ± 36.6
Positive Control ⁵	1844 ± 77.2	1511 ± 183.2			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	137 ± 10.7
0.1	
0.3	
1.0	
3.0	
10.0	
33.0	138 ± 12.7
100.0	144 ± 10.8
333.0	161 ± 1.7
666.0	153 ± 4.2
1000.0	132 ± 10.9
3333.0	107 ± 8.6 ^s
Trial Summary	Negative
Positive Control ⁴	1412 ± 30.1
Positive Control ⁵	

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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	22 ± 2.1	20 ± 1.9	26 ± 4.6	38 ± 2.8	29 ± 1.3
0.1	18 ± 1.2				
0.3	17 ± 1.9	17 ± 2.0			
1.0	22 ± 1.2	23 ± 0.6			
3.0	19 ± 0.7	16 ± 1.5			
10.0	21 ± 3.8	15 ± 2.5	26 ± 2.6	27 ± 6.7	29 ± 1.2
33.0		19 ± 0.6	31 ± 3.6	33 ± 5.7	30 ± 3.5
100.0			30 ± 3.1	46 ± 4.7	32 ± 3.3
333.0			29 ± 2.6	39 ± 14.2	25 ± 4.0
666.0			23 ± 3.2		24 ± 2.4
1000.0				31 ± 2.5	
3333.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			513 ± 25.8	254 ± 10.0	1444 ± 57.2
Positive Control ⁶	1489 ± 52.9	1692 ± 24.4			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	27 ± 4.0
0.1	
0.3	
1.0	
3.0	
10.0	
33.0	25 ± 1.9
100.0	35 ± 2.7
333.0	37 ± 3.4
666.0	29 ± 4.1
1000.0	31 ± 5.3
3333.0	24 ± 4.0
Trial Summary	Negative
Positive Control ²	541 ± 29.7
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 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 ****