

Experiment Number: **A09688**

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

G06: Ames Summary Data

Test Compound: **7-(2H-Naphtho[1,2-d]triazol-2-yl)-3-phenylcoumarin**

CAS Number: **3333-62-8**

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

Time Report Requested: **20:13:01**

NTP Study Number:

A09688

Study Result:

Negative

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MutagenicityTest Compound: 7-(2H-Naphtho[1,2-d]triazol-2-yl)-3-phenylcoumarin
CAS Number: 3333-62-8

Time Report Requested: 20:13:01

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	116 ± 4.6	118 ± 7.3	131 ± 13.5	124 ± 2.7	108 ± 7.3
100.0	122 ± 7.2	122 ± 8.8	130 ± 4.1	132 ± 1.8	114 ± 9.6
333.0	130 ± 7.8	121 ± 1.7	130 ± 5.9	126 ± 1.7	124 ± 2.6
1000.0	135 ± 3.5	130 ± 6.6	126 ± 4.6	129 ± 7.9	121 ± 8.4
3333.0	129 ± 0.3 ^p	119 ± 5.9 ^p	119 ± 8.4 ^p	129 ± 4.9 ^p	118 ± 6.4 ^p
10000.0	132 ± 7.0 ^p	112 ± 4.9 ^p	119 ± 7.8 ^p	124 ± 9.0 ^p	112 ± 3.8 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					667 ± 22.1
Positive Control ³			645 ± 8.3		
Positive Control ⁴	850 ± 20.7	860 ± 28.5			
Positive Control ⁵				561 ± 13.7	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	130 ± 8.4
100.0	127 ± 3.9
333.0	132 ± 6.8
1000.0	123 ± 3.9
3333.0	109 ± 15.7 ^P
10000.0	123 ± 7.2 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	612 ± 6.7
Positive Control ⁴	
Positive Control ⁵	

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CAS Number: 3333-62-8

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	12 ± 0.3	12 ± 2.6	13 ± 2.1	15 ± 1.9	14 ± 2.1
100.0	11 ± 0.9	11 ± 1.9	13 ± 3.8	13 ± 2.6	13 ± 3.0
333.0	12 ± 1.7	9 ± 2.2	16 ± 2.0	16 ± 1.5	15 ± 3.2
1000.0	9 ± 1.5	11 ± 0.7	14 ± 1.9	11 ± 1.0	14 ± 1.3
3333.0	10 ± 0.0 ^p	12 ± 0.6 ^p	13 ± 2.6 ^p	13 ± 1.5 ^p	11 ± 0.6 ^p
10000.0	7 ± 2.3 ^p	10 ± 1.5 ^p	12 ± 1.2 ^p	13 ± 1.9 ^p	10 ± 0.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					157 ± 11.1
Positive Control ⁴	926 ± 12.6	928 ± 21.9			
Positive Control ⁵			136 ± 19.9		
Positive Control ⁶				116 ± 6.0	

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Test Compound: 7-(2H-Naphtho[1,2-d]triazol-2-yl)-3-phenylcoumarin
CAS Number: 3333-62-8

Date Report Requested: 09/15/2018

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	15 ± 1.9
100.0	13 ± 2.7
333.0	13 ± 0.7
1000.0	14 ± 4.0
3333.0	14 ± 0.3 ^p
10000.0	13 ± 1.2 ^p
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	134 ± 3.7
Positive Control ⁶	

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MutagenicityTest Compound: 7-(2H-Naphtho[1,2-d]triazol-2-yl)-3-phenylcoumarin
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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	156 ± 10.4	137 ± 5.5	166 ± 12.3	176 ± 16.6	154 ± 16.0
100.0	143 ± 10.6	126 ± 1.7	188 ± 15.1	195 ± 0.3	169 ± 15.7
333.0	159 ± 7.9	140 ± 9.2	181 ± 21.5	158 ± 5.8	148 ± 11.3
1000.0	160 ± 16.6	155 ± 10.4	185 ± 9.2	154 ± 6.8	160 ± 8.3
3333.0	147 ± 15.2 ^p	138 ± 9.5 ^p	174 ± 3.2 ^p	180 ± 8.7 ^p	154 ± 13.2 ^p
10000.0	139 ± 8.3 ^p	117 ± 7.0 ^p	155 ± 15.4 ^p	183 ± 3.5 ^p	184 ± 5.7 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					671 ± 16.5
Positive Control ³			635 ± 29.8		
Positive Control ⁵				603 ± 15.4	
Positive Control ⁷	523 ± 15.6	645 ± 7.4			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	153 ± 16.7
100.0	150 ± 17.0
333.0	141 ± 18.3
1000.0	176 ± 14.9
3333.0	180 ± 12.1 ^P
10000.0	165 ± 14.5 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	646 ± 15.4
Positive Control ⁵	
Positive Control ⁷	

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CAS Number: 3333-62-8

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	12 ± 1.5	15 ± 3.8	18 ± 5.2	13 ± 1.7	25 ± 3.8
100.0	12 ± 1.2	19 ± 4.7	20 ± 0.7	11 ± 1.5	19 ± 3.8
333.0	9 ± 1.2	12 ± 1.0	17 ± 1.8	15 ± 3.2	13 ± 3.5
1000.0	11 ± 1.2	19 ± 1.2	19 ± 3.3	16 ± 2.1	20 ± 3.0
3333.0	14 ± 2.3 ^p	17 ± 3.6 ^p	20 ± 0.7 ^p	15 ± 1.5 ^p	21 ± 1.5 ^p
10000.0	10 ± 0.3 ^p	16 ± 2.6 ^p	17 ± 3.4 ^p	12 ± 1.2 ^p	18 ± 2.2 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					401 ± 13.3
Positive Control ³			353 ± 15.7		
Positive Control ⁸	481 ± 11.7	355 ± 16.7			
Positive Control ⁵				369 ± 13.2	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	19 ± 4.1
100.0	17 ± 1.5
333.0	17 ± 2.6
1000.0	20 ± 2.3
3333.0	21 ± 2.6 ^p
10000.0	18 ± 0.3 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	413 ± 7.6
Positive Control ⁸	
Positive Control ⁵	

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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: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 10.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****