

Experiment Number: 268926

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Econazole nitrate

CAS Number: 24169-02-6

Date Report Requested: 09/11/2018

Time Report Requested: 08:53:39

NTP Study Number:

268926

Study Result:

Negative

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Test Compound: Econazole nitrate

CAS Number: 24169-02-6

Date Report Requested: 09/11/2018

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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	117 ± 9.8	123 ± 9.6	113 ± 1.2	130 ± 10.6	120 ± 5.5
0.1		117 ± 5.8			
0.3	122 ± 3.3	124 ± 4.1			
1.0	105 ± 0.3	117 ± 5.5			
3.3	90 ± 11.7	112 ± 4.4	110 ± 4.9	115 ± 2.5	116 ± 7.5
10.0	95 ± 6.5 ^s	79 ± 3.2 ^s	109 ± 4.1	113 ± 6.4	115 ± 9.3
33.0	11 ± 4.1 ^s		107 ± 6.4	128 ± 11.3	123 ± 9.9
100.0			17 ± 5.6 ^s	110 ± 1.9	42 ± 4.4 ^s
200.0			0 ± 0.0 ^s	0 ± 0.0 ^s	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					327 ± 14.1
Positive Control ³	289 ± 8.1	479 ± 28.9			
Positive Control ⁴			1036 ± 30.7		
Positive Control ⁵					
Positive Control ⁶				1615 ± 7.6	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	125 ± 4.7
0.1	
0.3	
1.0	
3.3	130 ± 9.0
10.0	125 ± 5.4
33.0	123 ± 2.3
100.0	142 ± 3.3
200.0	105 ± 8.1
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	514 ± 3.9
Positive Control ⁶	

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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 ± 3.8	28 ± 2.6	8 ± 0.3	14 ± 3.0	14 ± 4.8
0.1	18 ± 0.7	21 ± 1.7			
0.3	29 ± 2.3	18 ± 1.3			
1.0	24 ± 1.7	19 ± 0.6			
3.3	27 ± 1.5	18 ± 1.8	9 ± 1.0	11 ± 2.1	12 ± 1.5
10.0	18 ± 0.6 ^s	14 ± 1.9 ^s	11 ± 1.2	11 ± 1.5	8 ± 1.5
33.0			5 ± 0.6	11 ± 3.4	11 ± 2.3
100.0			6 ± 1.7 ^s	13 ± 1.7	10 ± 0.9 ^s
200.0			9 ± 1.0 ^s	3 ± 1.0 ^s	8 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					115 ± 10.3
Positive Control ³	231 ± 17.4	378 ± 26.2			
Positive Control ⁵					
Positive Control ⁶			275 ± 49.8	214 ± 15.9	

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Test Compound: Econazole nitrate

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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	
3.3	8 ± 0.9
10.0	8 ± 0.6
33.0	7 ± 1.5
100.0	15 ± 3.0
200.0	7 ± 1.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	193 ± 9.8
Positive Control ⁶	

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Date Report Requested: 09/11/2018

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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	100 ± 3.5	96 ± 0.3	93 ± 6.6	126 ± 3.7	99 ± 4.1
0.1	94 ± 6.1	83 ± 8.1			
0.3	64 ± 9.3	80 ± 5.5			
1.0	89 ± 7.7	88 ± 7.9			
3.3	86 ± 9.8	83 ± 2.3	106 ± 4.1	127 ± 1.5	100 ± 4.4
10.0	56 ± 7.5 ^s	79 ± 6.0 ^s	91 ± 8.6	108 ± 7.6	93 ± 5.6
33.0			90 ± 3.3	97 ± 4.0 ^s	100 ± 6.9
100.0			52 ± 5.6 ^s	100 ± 9.3 ^s	90 ± 7.4 ^s
200.0			0 ± 0.0 ^s	45 ± 8.7 ^s	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁷	281 ± 78.5	461 ± 24.1			
Positive Control ⁴					507 ± 32.1
Positive Control ⁶			1211 ± 24.6		
Positive Control ⁸				1685 ± 20.7	

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Test Compound: Econazole nitrate

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	116 ± 2.5
0.1	
0.3	
1.0	
3.3	127 ± 7.0
10.0	107 ± 3.8
33.0	109 ± 3.5
100.0	133 ± 8.5
200.0	95 ± 2.7 ^s
Trial Summary	Negative
Positive Control ⁷	
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁸	1092 ± 17.4

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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	17 ± 2.1	36 ± 2.6	48 ± 6.9	30 ± 2.0	40 ± 3.2
0.1	21 ± 4.8	27 ± 1.7			
0.3	20 ± 4.5	33 ± 1.2			
1.0	22 ± 2.0	37 ± 3.2			
3.3	20 ± 1.7	32 ± 2.7	47 ± 2.3	31 ± 3.9	46 ± 4.3
10.0	19 ± 5.9 ^s	18 ± 0.9 ^s	42 ± 4.0	35 ± 2.5	43 ± 4.1
33.0			37 ± 3.8	27 ± 3.3	35 ± 1.0
100.0			15 ± 0.6 ^s	32 ± 3.6	27 ± 2.4 ^s
200.0			8 ± 1.8 ^s	26 ± 4.0 ^s	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			310 ± 35.6		244 ± 15.6
Positive Control ⁹	443 ± 15.9	357 ± 4.8			
Positive Control ⁵				319 ± 4.6	

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G06: Ames Summary Data

Test Compound: Econazole nitrate

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	36 ± 2.3
0.1	
0.3	
1.0	
3.3	33 ± 0.3
10.0	37 ± 1.3
33.0	36 ± 4.9
100.0	34 ± 5.4
200.0	33 ± 1.8
Trial Summary	Negative
Positive Control ²	92 ± 4.5
Positive Control ⁹	
Positive Control ⁵	

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Test Type: **Genetic Toxicology - Bacterial
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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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 0.05 ug/Plate Solvent

8: 2.5 ug/Plate 2-Aminoanthracene

9: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****