

Experiment Number: **A91630**

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

G06: Ames Summary Data

Test Compound: **Scutellaria**

CAS Number: **SCUTELLARIA**

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

Time Report Requested: **12:11:35**

NTP Study Number:

A91630

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	79 ± 10.0	78 ± 3.0	44 ± 2.5	72 ± 0.7	81 ± 3.3
10.0					
12.5			57 ± 4.6		
25.0			58 ± 2.5		
50.0		83 ± 1.9	49 ± 5.8		69 ± 4.1
75.0					
100.0	65 ± 5.9	90 ± 8.1	53 ± 4.9	54 ± 0.9	27 ± 3.4
250.0			50 ± 4.6		
500.0	62 ± 4.4	90 ± 5.5		34 ± 2.7	26 ± 0.0
1000.0		79 ± 7.3			27 ± 1.2
1500.0	10 ± 2.1 ^s			9 ± 1.2 ^s	
2000.0		35 ± 5.0			20 ± 1.5
2500.0	9 ± 0.9 ^s			5 ± 0.9 ^s	
3000.0		34 ± 3.0			16 ± 0.3 ^s
3500.0	2 ± 0.9 ^s			5 ± 0.7 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	382 ± 23.3	475 ± 18.8	420 ± 24.1		
Positive Control ³				1283 ± 71.5	384 ± 10.6

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Strain: TA100

Dose (ug/Plate)	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	74 ± 6.8	54 ± 6.1
10.0	95 ± 3.4	
12.5		70 ± 4.5
25.0	72 ± 1.2	66 ± 5.2
50.0	51 ± 3.8	43 ± 5.0
75.0	45 ± 1.5	
100.0	30 ± 8.4	15 ± 2.0
250.0		14 ± 1.5
500.0		
1000.0		
1500.0		
2000.0		
2500.0		
3000.0		
3500.0		
Trial Summary	Negative	Negative
Positive Control ²		
Positive Control ³	868 ± 76.2	831 ± 92.6

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	13 ± 1.0	18 ± 1.7	21 ± 0.9	28 ± 3.8	28 ± 5.7
12.5			24 ± 0.3		
25.0			22 ± 0.6		
50.0		26 ± 2.9	25 ± 0.6		30 ± 3.3
100.0	13 ± 2.6	16 ± 1.5	22 ± 2.1	27 ± 2.0	22 ± 1.8
250.0			24 ± 0.6		
500.0	15 ± 1.2	14 ± 0.7		19 ± 0.9	17 ± 2.0
1000.0		17 ± 2.1			10 ± 1.5
1500.0	12 ± 0.6			24 ± 1.5	
2000.0		10 ± 0.6			9 ± 0.3
2500.0	4 ± 0.6			17 ± 3.2	
3000.0		6 ± 0.9			Toxic
3500.0	Toxic			11 ± 1.3	
Trial Summary	Negative	Negative	Negative	Weakly Positive	Negative
Positive Control ³					719 ± 15.4
Positive Control ⁴				1295 ± 84.0	
Positive Control ⁵	484 ± 41.2	485 ± 13.7	874 ± 29.1		

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Test Compound: Scutellaria
CAS Number: SCUTELLARIA

Date Report Requested: 09/15/2018
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Strain: TA98

Dose (ug/Plate)	With 10% Rat S9
Vehicle Control ¹	30 ± 2.2
12.5	35 ± 1.9
25.0	30 ± 1.0
50.0	30 ± 1.9
100.0	32 ± 1.5
250.0	32 ± 0.9
500.0	
1000.0	
1500.0	
2000.0	
2500.0	
3000.0	
3500.0	
Trial Summary	Negative
Positive Control ³	1533 ± 29.1
Positive Control ⁴	
Positive Control ⁵	

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	148 ± 4.3	143 ± 16.2	154 ± 10.0	167 ± 13.2	178 ± 7.9
100.0			170 ± 1.5		
250.0			138 ± 2.4		
500.0			152 ± 5.0		
1000.0	170 ± 6.0	132 ± 13.6	133 ± 5.8	213 ± 5.0	193 ± 23.1
2500.0	144 ± 4.3	150 ± 5.0		300 ± 17.2	142 ± 3.6
5000.0	129 ± 5.5	121 ± 4.9	105 ± 1.5	257 ± 7.4	144 ± 3.6
7500.0	114 ± 4.7	119 ± 2.9		279 ± 11.2	129 ± 1.8
10000.0	80 ± 9.6	105 ± 7.8		120 ± 9.9	113 ± 2.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁶				1208 ± 47.7	909 ± 57.0
Positive Control ⁷	2083 ± 132.9	2034 ± 95.5	2139 ± 53.2		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	With 10% Rat S9
Vehicle Control ¹	171 ± 20.5
100.0	200 ± 7.5
250.0	226 ± 11.3
500.0	258 ± 1.8
1000.0	251 ± 10.7
2500.0	
5000.0	185 ± 4.4
7500.0	
10000.0	
Trial Summary	Negative
Positive Control ⁶	1080 ± 17.3
Positive Control ⁷	

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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: 2.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 9-Aminoacridine

5: 5.0 ug/Plate 2-Nitrofluorene

6: 20.0 ug/Plate 2-Aminoanthracene

7: 4000.0 ug/Plate Methyl Methane Sulfonate

s: Slight Toxicity

**** END OF REPORT ****