

Experiment Number: **G01053**

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

G06: Ames Summary Data

Test Compound: **Sennoside A**

CAS Number: **81-27-6**

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

Time Report Requested: **17:56:49**

NTP Study Number:

G01053

Study Result:

Negative

Experiment Number: **G01053**
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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	94 ± 5.0	121 ± 4.8	112 ± 4.2	113 ± 4.3
12.5	112 ± 7.1	110 ± 3.4	116 ± 6.4	107 ± 6.7
50.0	87 ± 7.9	104 ± 4.4	119 ± 9.5	119 ± 9.3
125.0	91 ± 3.2	110 ± 6.0	105 ± 5.1	108 ± 2.2
500.0	105 ± 7.8	100 ± 9.3	121 ± 6.3	100 ± 4.4
1500.0	102 ± 6.1	122 ± 5.5	113 ± 1.9	100 ± 4.2
6000.0	85 ± 9.4	91 ± 4.4	109 ± 3.7	107 ± 6.8
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	823 ± 16.8	955 ± 35.4		
Positive Control ³			2374 ± 146.4	1608 ± 112.2

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	36 ± 1.0	28 ± 5.4	36 ± 1.0	45 ± 3.3
12.5	28 ± 0.3	26 ± 1.7	43 ± 5.2	43 ± 4.9
50.0	34 ± 3.0	28 ± 0.9	47 ± 5.8	40 ± 2.2
125.0	35 ± 8.4	24 ± 4.7	47 ± 5.5	51 ± 2.9
500.0	29 ± 6.4	37 ± 4.2	38 ± 4.0	41 ± 5.5
1500.0	28 ± 3.7	35 ± 12.4	39 ± 5.0	36 ± 1.5
6000.0	27 ± 6.8	24 ± 1.3	27 ± 5.8	23 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			1768 ± 70.8	1690 ± 127.3
Positive Control ⁵	598 ± 42.8	788 ± 36.2		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	185 ± 9.4	170 ± 11.5	211 ± 3.5	209 ± 10.1
12.5	192 ± 6.4	184 ± 4.9	212 ± 2.7	222 ± 3.3
50.0	189 ± 6.4	172 ± 7.8	212 ± 5.8	238 ± 14.5
125.0	181 ± 8.5	190 ± 2.0	234 ± 7.0	229 ± 5.9
500.0	182 ± 8.6	175 ± 5.4	224 ± 17.4	222 ± 13.4
1500.0	197 ± 10.9	191 ± 4.0	219 ± 9.0	242 ± 3.3
6000.0	194 ± 4.7	176 ± 14.4	219 ± 6.4	223 ± 8.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			1654 ± 16.8	1561 ± 25.8
Positive Control ⁷	1336 ± 63.0	1166 ± 9.9		

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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: 2.0 ug/Plate 2-Aminoanthracene
- 5: 3.0 ug/Plate 2-Nitrofluorene
- 6: 20.0 ug/Plate 2-Aminoanthracene
- 7: 100.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****