

Experiment Number: **G01070**

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

G06: Ames Summary Data

Test Compound: **Sennoside B**

CAS Number: **128-57-4**

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

Time Report Requested: **18:00:35**

NTP Study Number:

G01070

Study Result:

Negative

Experiment Number: **G01070**
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data
Test Compound: **SennoSIDE B**
CAS Number: **128-57-4**

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	104 ± 3.7	104 ± 3.5	110 ± 10.1	105 ± 2.9
12.5	113 ± 6.4	97 ± 9.0	120 ± 0.7	102 ± 2.7
50.0	105 ± 4.1	91 ± 2.6	104 ± 2.4	101 ± 3.8
125.0	104 ± 8.9	101 ± 6.7	115 ± 5.1	103 ± 9.7
500.0	103 ± 6.4	95 ± 4.7	119 ± 14.7	96 ± 8.0
1500.0	101 ± 4.4	107 ± 3.8	105 ± 2.6	87 ± 3.3
6000.0	96 ± 3.5	103 ± 3.2	114 ± 4.3	85 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	824 ± 21.1	796 ± 10.9		
Positive Control ³			3046 ± 65.0	1662 ± 138.8

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	29 ± 4.9	28 ± 5.3	37 ± 2.7	38 ± 3.2
12.5	21 ± 5.8	24 ± 3.7	27 ± 2.3	48 ± 4.6
50.0	21 ± 2.6	20 ± 4.2	29 ± 1.2	42 ± 9.3
125.0	22 ± 3.8	28 ± 2.6	36 ± 3.2	47 ± 3.8
500.0	22 ± 1.9	24 ± 4.4	36 ± 5.2	37 ± 2.7
1500.0	26 ± 3.5	25 ± 1.0	41 ± 5.1	37 ± 3.2
6000.0	23 ± 3.5	30 ± 4.1	31 ± 2.9	29 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			1550 ± 72.0	1956 ± 62.3
Positive Control ⁵	688 ± 100.3	610 ± 16.8		

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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	161 ± 6.7	179 ± 5.0	196 ± 7.9	232 ± 13.9
12.5	151 ± 10.1	140 ± 3.5	212 ± 4.3	216 ± 9.0
50.0	162 ± 1.5	165 ± 13.2	213 ± 1.5	213 ± 14.8
125.0	157 ± 4.6	192 ± 19.4	194 ± 6.4	216 ± 7.3
500.0	167 ± 3.8	183 ± 13.3	198 ± 4.0	219 ± 5.0
1500.0	165 ± 2.9	191 ± 0.3	202 ± 7.6	217 ± 8.9
6000.0	151 ± 9.2	198 ± 11.4	191 ± 9.8	210 ± 13.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			1629 ± 54.0	1973 ± 111.1
Positive Control ⁷	1066 ± 35.7	1225 ± 102.4		

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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 ****