Experiment Number: **270072**

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

G06: Ames Summary Data

Test Compound: **Lasiocarpine**

CAS Number: **303-34-4**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:00:50**

NTP Study Number: 270072

Study Result: Positive

Experiment Number: **270072**

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

G06: Ames Summary Data

Test Compound: **Lasiocarpine**

CAS Number: **303-34-4**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:00:50**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	119 ± 6.4	79 ± 2.5	121 ± 4.1	88 ± 1.2	121 ± 8.6
100.0	130 ± 2.4	98 ± 10.9	164 ± 9.5	109 ± 11.6	167 ± 1.2
333.3	124 ± 2.0	93 ± 4.9	168 ± 4.6	112 ± 5.1	172 ± 10.8
1000.0	131 ± 11.9	95 ± 2.7	184 ± 13.0	118 ± 9.9	211 ± 14.5
3333.3	137 ± 9.8	104 ± 1.9	202 ± 1.8	143 ± 10.5	305 ± 16.8
10000.0	153 ± 8.7	111 ± 7.1	243 ± 6.4	188 ± 3.3	398 ± 14.4
Trial Summary	Negative	Negative	Positive	Positive	Positive
Positive Control[2]	250 ± 4.4	495 ± 3.2			
Positive Control[3]			885 ± 24.6	925 ± 55.2	2559 ± 112.3

Experiment Number: **270072**

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

G06: Ames Summary Data

Test Compound: **Lasiocarpine**

CAS Number: **303-34-4**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:00:50**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	99 ± 5.8
100.0	132 ± 5.0
333.3	129 ± 10.1
1000.0	177 ± 20.9
3333.3	235 ± 21.7
10000.0	273 ± 30.5
Trial Summary	Positive
Positive Control[2]	
Positive Control[3]	1603 ± 50.7

Experiment Number: **270072**

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

G06: Ames Summary Data

Test Compound: **Lasiocarpine**

CAS Number: **303-34-4**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:00:50**

Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	16 ± 0.7	9 ± 1.7	7 ± 2.6
100.0	17 ± 2.6	7 ± 0.7	8 ± 1.7
333.3	14 ± 1.5	9 ± 2.1	6 ± 1.5
1000.0	13 ± 2.3	5 ± 1.2	6 ± 0.6
3333.3	12 ± 1.3	7 ± 1.5	6 ± 2.1
10000.0	9 ± 1.2	4 ± 0.6	5 ± 0.9
Trial Summary	Negative	Negative	Negative
Positive Control[2]	148 ± 11.3		
Positive Control[4]		328 ± 24.0	571 ± 49.3

Experiment Number: **270072**

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

G06: Ames Summary Data

Test Compound: **Lasiocarpine**

CAS Number: **303-34-4**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:00:50**

Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	5 ± 1.5	9 ± 3.0	7 ± 0.9
100.0	6 ± 2.1	6 ± 1.7	5 ± 1.0
333.3	5 ± 1.2	6 ± 0.9	4 ± 0.9
1000.0	6 ± 2.2	9 ± 3.0	3 ± 0.0
3333.3	3 ± 1.5	5 ± 0.6	4 ± 0.9
10000.0	5 ± 1.5	5 ± 1.2	3 ± 0.6
Trial Summary	Negative	Negative	Negative
Positive Control[4]		226 ± 3.1	459 ± 3.0
Positive Control[5]	193 ± 54.9		

Experiment Number: **270072**

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

G06: Ames Summary Data

Test Compound: **Lasiocarpine**

CAS Number: **303-34-4**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:00:50**

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	37 ± 8.6	39 ± 3.0	39 ± 3.3
100.0	31 ± 0.6	38 ± 3.8	28 ± 8.3
333.3	33 ± 3.5	31 ± 1.0	33 ± 2.9
1000.0	31 ± 5.6	39 ± 1.5	29 ± 1.9
3333.3	32 ± 2.0	34 ± 2.2	30 ± 3.2
10000.0	19 ± 1.2	33 ± 3.7	29 ± 1.3
Trial Summary	Negative	Negative	Negative
Positive Control[3]		635 ± 30.4	2148 ± 234.8
Positive Control[6]	723 ± 22.6		

LEGEND

Values given as Mean or Mean ± 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: 1.0 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **