

Experiment Number: 20007 - 03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Kava kava extract
CAS Number: 9000-38-8

Date Report Requested: 09/13/2016
Time Report Requested: 11:41:17
First Dose M/F: 09/15/03 / 09/16/03
Lab: BAT

NTP Study Number: C20007
Lock Date: 05/24/2004
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

Experiment Number: 20007 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Kava kava extract

CAS Number: 9000-38-8

Date Report Requested: 09/13/2016

Time Report Requested: 11:41:17

First Dose M/F: 09/15/03 / 09/16/03

Lab: BAT

MALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 G/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 0.125 G/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 0.25 G/KG

TOTAL 10	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 9
UNCENSORED DEATH DAYS			
22			
CENSORED DEATH DAYS			
None			

DOSE = 0.5 G/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

Experiment Number: 20007 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Kava kava extract

CAS Number: 9000-38-8

Date Report Requested: 09/13/2016

Time Report Requested: 11:41:17

First Dose M/F: 09/15/03 / 09/16/03

Lab: BAT

MALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 1.0 G/KG

TOTAL 10

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = 2.0 G/KG

TOTAL 10

UNCENSORED DEATHS 3

CENSORED DEATHS 0

TERMINAL 7

UNCENSORED DEATH DAYS

5 80 80

CENSORED DEATH DAYS

None

Experiment Number: 20007 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Kava kava extract

CAS Number: 9000-38-8

Date Report Requested: 09/13/2016

Time Report Requested: 11:41:17

First Dose M/F: 09/15/03 / 09/16/03

Lab: BAT

MALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	93(A)
0 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.125 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.25 G/KG	100.0	100.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
0.5 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.0 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.0 G/KG	90.0	90.0	90.0	90.0	90.0	90.0	90.0	70.0	70.0	70.0

(A) FIRST TERMINAL SACRIFICE

(B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Experiment Number: 20007 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Kava kava extract

CAS Number: 9000-38-8

Date Report Requested: 09/13/2016

Time Report Requested: 11:41:17

First Dose M/F: 09/15/03 / 09/16/03

Lab: BAT

MALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	0 G/KG	0.125 G/KG	0.25 G/KG	0.5 G/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	90.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.017	-----	P=1.000	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	(.)	(.)	22.0 (.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	93.0 (0.0)	93.0 (0.0)	85.9 (7.1)	93.0 (0.0)

DOSE	1.0 G/KG	2.0 G/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	70.0%
SIGNIFICANCE (B) (LIFE TABLE)	-----	P=0.215
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	(.)	55.0 (25.0)
MEAN LIFE SPAN (D) (STANDARD ERROR)	93.0 (0.0)	81.6 (8.7)

(A) FIRST TERMINAL SACRIFICE

(B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Experiment Number: 20007 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Kava kava extract

CAS Number: 9000-38-8

Date Report Requested: 09/13/2016

Time Report Requested: 11:41:17

First Dose M/F: 09/15/03 / 09/16/03

Lab: BAT

FEMALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 G/KG

TOTAL 10	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 9
UNCENSORED DEATH DAYS			
18			
CENSORED DEATH DAYS			
None			

DOSE = 0.125 G/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 0.25 G/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 0.5 G/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

Experiment Number: 20007 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Kava kava extract

CAS Number: 9000-38-8

Date Report Requested: 09/13/2016

Time Report Requested: 11:41:17

First Dose M/F: 09/15/03 / 09/16/03

Lab: BAT

FEMALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 1.0 G/KG

TOTAL 10 UNCENSORED DEATHS 1 CENSORED DEATHS 0 TERMINAL 9

UNCENSORED DEATH DAYS

32

CENSORED DEATH DAYS

None

DOSE = 2.0 G/KG

TOTAL 10 UNCENSORED DEATHS 4 CENSORED DEATHS 0 TERMINAL 6

UNCENSORED DEATH DAYS

2 4 4 44

CENSORED DEATH DAYS

None

Experiment Number: 20007 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Kava kava extract

CAS Number: 9000-38-8

Date Report Requested: 09/13/2016

Time Report Requested: 11:41:17

First Dose M/F: 09/15/03 / 09/16/03

Lab: BAT

FEMALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	93(A)
0 G/KG	100.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
0.125 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.25 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.5 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.0 G/KG	100.0	100.0	100.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2.0 G/KG	70.0	70.0	70.0	70.0	60.0	60.0	60.0	60.0	60.0	60.0

(A) FIRST TERMINAL SACRIFICE

(B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Experiment Number: 20007 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Kava kava extract

CAS Number: 9000-38-8

Date Report Requested: 09/13/2016

Time Report Requested: 11:41:17

First Dose M/F: 09/15/03 / 09/16/03

Lab: BAT

FEMALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 G/KG	0.125 G/KG	0.25 G/KG	0.5 G/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	90.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.002	P=1.000N	P=1.000N	P=1.000N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	18.0 (.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	85.5 (7.5)	93.0 (0.0)	93.0 (0.0)	93.0 (0.0)

DOSE	1.0 G/KG	2.0 G/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	90.0%	60.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=1.000N	P=0.274
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	32.0 (.)	13.5 (10.2)
MEAN LIFE SPAN (D) (STANDARD ERROR)	86.9 (6.1)	61.2 (13.5)

*** END OF REPORT ***

(A) FIRST TERMINAL SACRIFICE

(B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)