

Experiment Number: 95003 - 03
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

NTP Study Number: C95003
Lock Date: 01/08/2003
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

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Lab: MBA

MALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = VEHICLE CONTROL

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = CONTROL SPECIAL

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 10 TERMINAL 0

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

24 24 24 24 24 24 24 24 24 24 24

DOSE = 22.0 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = TK 22.0 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 10 TERMINAL 0

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

24 24 24 24 24 24 24 24 24 24 24

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MALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 44.0 MG/KG

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

DOSE = TK 44.0 MG/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 10	TERMINAL 0
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
24	24	24	24
24	24	24	24
24	24	24	24
24	24	24	24
24	24	24	24
24	24	24	24

DOSE = 87.5 MG/KG

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

DOSE = TK 87.5 MG/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 10	TERMINAL 0
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
24	24	24	24
24	24	24	24
24	24	24	24
24	24	24	24
24	24	24	24
24	24	24	24

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Lab: MBA

MALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 175 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = TK 175 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 10 TERMINAL 0

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

24 24 24 24 24 24 24 24 24 24 24

DOSE = 350 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = TK 350 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 10 TERMINAL 0

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

24 24 24 24 24 24 24 24 24 24 24

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Lab: MBA

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)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CONTROL SPECIAL	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TK 22.0 MG/KG	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TK 44.0 MG/KG	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TK 87.5 MG/KG	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TK 175 MG/KG	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
350 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TK 350 MG/KG	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

- (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: 95003 - 03

Test Type: 90-DAY

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Species/Strain: RATS/F 344/N

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Lab: MBA

MALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	VEHICLE CONTROL	CONTROL SPECIAL	22.0 MG/KG	TK 22.0 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	0.0%	100.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	----	----	----	----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	93.0 (0.0)	24.0 (0.0)	93.0 (0.0)	24.0 (0.0)

DOSE	44.0 MG/KG	TK 44.0 MG/KG	87.5 MG/KG	TK 87.5 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	0.0%	100.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	----	----	----	----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	93.0 (0.0)	24.0 (0.0)	93.0 (0.0)	24.0 (0.0)

(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)

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First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

MALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	175 MG/KG	TK 175 MG/KG	350 MG/KG	TK 350 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	0.0%	100.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	----	----	----	----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	93.0 (0.0)	24.0 (0.0)	93.0 (0.0)	24.0 (0.0)

(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)

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Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

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First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

FEMALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = VEHICLE CONTROL

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = CONTROL SPECIAL

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 10 TERMINAL 0

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

24 24 24 24 24 24 24 24 24 24

DOSE = 22.0 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = TK 22.0 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 10 TERMINAL 0

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

24 24 24 24 24 24 24 24 24 24

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Lab: MBA

FEMALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 44.0 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = TK 44.0 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 10 TERMINAL 0

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

24 24 24 24 24 24 24 24 24 24 24

DOSE = 87.5 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = TK 87.5 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 10 TERMINAL 0

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

4 24 24 24 24 24 24 24 24 24

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Lab: MBA

FEMALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 175 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = TK 175 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 10 TERMINAL 0

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

24 24 24 24 24 24 24 24 24 24 24

DOSE = 350 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = TK 350 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 10 TERMINAL 0

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

24 24 24 24 24 24 24 24 24 24 24

Experiment Number: 95003 - 03

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Species/Strain: RATS/F 344/N

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Lab: MBA

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)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CONTROL SPECIAL	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TK 22.0 MG/KG	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TK 44.0 MG/KG	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TK 87.5 MG/KG	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TK 175 MG/KG	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
350 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TK 350 MG/KG	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(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)

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FEMALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	VEHICLE CONTROL	CONTROL SPECIAL	22.0 MG/KG	TK 22.0 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	0.0%	100.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	----	----	----	----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	93.0 (0.0)	24.0 (0.0)	93.0 (0.0)	24.0 (0.0)

DOSE	44.0 MG/KG	TK 44.0 MG/KG	87.5 MG/KG	TK 87.5 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	0.0%	100.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	----	----	----	----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	93.0 (0.0)	24.0 (0.0)	93.0 (0.0)	22.0 (2.0)

(A) FIRST TERMINAL SACRIFICE

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

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FEMALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	175 MG/KG	TK 175 MG/KG	350 MG/KG	TK 350 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	0.0%	100.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	----	----	----	----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	93.0 (0.0)	24.0 (0.0)	93.0 (0.0)	24.0 (0.0)

*** 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)