

Experiment Number: 95003-04
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Test Compound: Methyl trans-styryl ketone
CAS Number: 1896-62-4

Date Report Requested: 10/18/2014
Time Report Requested: 21:17:01
First Dose M/F: NA / NA
Lab: MBA

C Number: C95003
Lock Date: 01/08/2003
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date NONE

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Male MOUSE
FIRST TERMINAL SACRIFICE AT 92 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 = 87.5 MG/KG			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = 175 MG/KG			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = 350 MG/KG			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

(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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Lab: MBA

Male MOUSE
FIRST TERMINAL SACRIFICE AT 92 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 700 MG/KG									
TOTAL 10			UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 0
UNCENSORED DEATH DAYS									
21	21	21	21	21	21	21	21	21	21
CENSORED DEATH DAYS									
none									
DOSE = 1400 MG/KG									
TOTAL 10			UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 0
UNCENSORED DEATH DAYS									
6	21	21	21	21	21	21	21	21	21
CENSORED DEATH DAYS									
none									

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Male MOUSE
FIRST TERMINAL SACRIFICE AT 92 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	92(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
87.5 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
175 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
350 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700 MG/KG	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1400 MG/KG	90.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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First Dose M/F: NA / NA
Lab: MBA

Male MOUSE
FIRST TERMINAL SACRIFICE AT 92 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)
	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	92.0	92.0	92.0	92.0
	(0.0)	(0.0)	(0.0)	(0.0)

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First Dose M/F: NA / NA
Lab: MBA

Male MOUSE
FIRST TERMINAL SACRIFICE AT 92 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	700 MG/KG	1400 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	0.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	P=0.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	21.0 (.)	19.5 (1.5)
MEAN LIFE SPAN (D) (STANDARD ERROR)	21.0 (0.0)	19.5 (1.5)

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First Dose M/F: NA / NA
Lab: MBA

Female MOUSE
FIRST TERMINAL SACRIFICE AT 92 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 = 87.5 MG/KG			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = 175 MG/KG			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = 350 MG/KG			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

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Female MOUSE
FIRST TERMINAL SACRIFICE AT 92 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 700 MG/KG									
TOTAL 10			UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 0
UNCENSORED DEATH DAYS									
20	20	20	20	20	20	20	20	20	20
CENSORED DEATH DAYS									
none									
DOSE = 1400 MG/KG									
TOTAL 10			UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 0
UNCENSORED DEATH DAYS									
5	20	20	20	20	20	20	20	20	20
CENSORED DEATH DAYS									
none									

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175 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
350 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700 MG/KG	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1400 MG/KG	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)
	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	92.0	92.0	92.0	92.0
	(0.0)	(0.0)	(0.0)	(0.0)

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FIRST TERMINAL SACRIFICE AT 92 DAYS

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DOSE	700 MG/KG	1400 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	0.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	P=0.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	20.0 (.)	18.5 (1.5)
MEAN LIFE SPAN (D) (STANDARD ERROR)	20.0 (0.0)	18.5 (1.5)

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**** END OF REPORT ****

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