

**Experiment Number:** 93022-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**

**Test Compound:** 2,4-Decadienal  
**CAS Number:** 25152-84-5

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 15:37:25  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**C Number:** C93022  
**Lock Date:** 03/01/1996  
**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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P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

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First Dose M/F: NA / NA

Lab: MBA

Male RAT  
FIRST TERMINAL SACRIFICE AT 17 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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<b>DOSE = 0.0 MG/KG</b>			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			

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<b>DOSE = 45.0 MG/KG</b>			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			

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<b>DOSE = 133.0 MG/KG</b>			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			

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<b>DOSE = 400.0 MG/KG</b>			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
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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**First Dose M/F:** NA / NA  
**Lab:** MBA

**Male RAT**  
**FIRST TERMINAL SACRIFICE AT 17 DAYS**  
**INDIVIDUAL SURVIVAL TIMES (DAYS)**

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**DOSE = 1200.0 MG/KG**

TOTAL 5                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 5

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

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**DOSE = 3600.0 MG/KG**

TOTAL 5                      UNCENSORED DEATHS 5                      CENSORED DEATHS 0                      TERMINAL 0

**UNCENSORED DEATH DAYS**

2            2            3            3            3

**CENSORED DEATH DAYS**

none

- (A) FIRST TERMINAL SACRIFICE
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- (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:** NA / NA  
**Lab:** MBA

**Male RAT**  
**FIRST TERMINAL SACRIFICE AT 17 DAYS**

**KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)**

DOSE	TIME (DAYS)									
	2	4	6	8	10	12	14	16	18	17(A)
<b>0.0 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>45.0 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>133.0 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>400.0 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>1200.0 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>3600.0 MG/KG</b>	60.0	0.0	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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**Species/Strain:** Rat/F 344/N

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

Male RAT  
 FIRST TERMINAL SACRIFICE AT 17 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0.0 MG/KG	45.0 MG/KG	133.0 MG/KG	400.0 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.000	-----	-----	-----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	.	.	.	.
	(.)	(.)	(.)	(.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	17.0	17.0	17.0	17.0
	(0.0)	(0.0)	(0.0)	(0.0)

(A) FIRST TERMINAL SACRIFICE

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

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

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**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
**Test Compound:** 2,4-Decadienal  
**CAS Number:** 25152-84-5

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 15:37:25  
**First Dose M/F:** NA / NA  
**Lab:** MBA

Male RAT  
FIRST TERMINAL SACRIFICE AT 17 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	1200.0 MG/KG	3600.0 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	0.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	-----	P=0.015
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	. (.)	2.6 (0.2)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	17.0 (0.0)	2.6 (0.2)

(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: 93022-01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: 2,4-Decadienal

CAS Number: 25152-84-5

Date Report Requested: 10/18/2014

Time Report Requested: 15:37:25

First Dose M/F: NA / NA

Lab: MBA

Female RAT  
FIRST TERMINAL SACRIFICE AT 17 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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<b>DOSE = 0.0 MG/KG</b>			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			

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<b>DOSE = 45.0 KG/KG</b>			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			

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<b>DOSE = 133.0 MG/KG</b>			
TOTAL 5	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 4
<b>UNCENSORED DEATH DAYS</b>			
8			
<b>CENSORED DEATH DAYS</b>			
none			

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<b>DOSE = 400.0 MG/KG</b>			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			

(A) FIRST TERMINAL SACRIFICE

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(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:** NA / NA  
**Lab:** MBA

**Female RAT**  
**FIRST TERMINAL SACRIFICE AT 17 DAYS**  
**INDIVIDUAL SURVIVAL TIMES (DAYS)**

---

**DOSE = 1200.0 MG/KG**

TOTAL 5                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 5

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

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**DOSE = 3600.0 MG/KG**

TOTAL 5                      UNCENSORED DEATHS 5                      CENSORED DEATHS 0                      TERMINAL 0

**UNCENSORED DEATH DAYS**

2            2            3            3            3

**CENSORED DEATH DAYS**

none

(A) FIRST TERMINAL SACRIFICE

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**Female RAT**  
**FIRST TERMINAL SACRIFICE AT 17 DAYS**

**KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)**

DOSE	TIME (DAYS)									
	2	4	6	8	10	12	14	16	18	17(A)
<b>0.0 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>45.0 KG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>133.0 MG/KG</b>	100.0	100.0	100.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
<b>400.0 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>1200.0 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>3600.0 MG/KG</b>	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(A) FIRST TERMINAL SACRIFICE

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**Lab:** MBA

Female RAT  
 FIRST TERMINAL SACRIFICE AT 17 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0.0 MG/KG	45.0 KG/KG	133.0 MG/KG	400.0 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	100.0%	80.0%	100.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.000	-----	P=1.000	-----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	.	.	8.0	.
	(.)	(.)	(.)	(.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	17.0	17.0	15.2	17.0
	(0.0)	(0.0)	(1.8)	(0.0)

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**Female RAT**  
**FIRST TERMINAL SACRIFICE AT 17 DAYS**

**SURVIVAL SUMMARY STATISTICS**

<b>DOSE</b>	<b>1200.0 MG/KG</b>	<b>3600.0 MG/KG</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	0.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	-----	P=0.015
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	. (.)	2.6 (0.2)
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**\*\* END OF REPORT \*\***

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