

**Experiment Number:** 56111-02  
**Test Type:** 90-DAY  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
**Test Compound:** trans-Cinnamaldehyde  
**CAS Number:** 14371-10-9

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 09:25:16  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C56111B
<b>Lock Date:</b>	01/02/1996
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

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

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

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<b>DOSE = UNTREATDCONTROL</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			

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<b>DOSE = VEHICLE CONTROL</b>			
TOTAL 10	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 9
<b>UNCENSORED DEATH DAYS</b>			
6			
<b>CENSORED DEATH DAYS</b>			
none			

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<b>DOSE = 1.25%</b>			
TOTAL 10	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 9
<b>UNCENSORED DEATH DAYS</b>			
7			
<b>CENSORED DEATH DAYS</b>			
none			

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<b>DOSE = 2.5%</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<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:** BAT

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

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<b>DOSE = 5.0%</b>									
TOTAL 10			UNCENSORED DEATHS 5			CENSORED DEATHS 0			TERMINAL 5
<b>UNCENSORED DEATH DAYS</b>									
9	9	9	9	13					
<b>CENSORED DEATH DAYS</b>									
none									

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<b>DOSE = 10.0%</b>									
TOTAL 10			UNCENSORED DEATHS 9			CENSORED DEATHS 0			TERMINAL 1
<b>UNCENSORED DEATH DAYS</b>									
6	9	9	9	13	14	14	14	20	
<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)

**Experiment Number:** 56111-02  
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**Species/Strain:** Mouse/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
**Test Compound:** trans-Cinnamaldehyde  
**CAS Number:** 14371-10-9

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 09:25:16  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**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)
UNTREATDCONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
VEHICLE CONTROL	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
1.25%	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2.5%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5.0%	60.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
10.0%	60.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

(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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**Test Type:** 90-DAY  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
**Test Compound:** trans-Cinnamaldehyde  
**CAS Number:** 14371-10-9

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 09:25:16  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**Male MOUSE**  
**FIRST TERMINAL SACRIFICE AT 92 DAYS**

**SURVIVAL SUMMARY STATISTICS**

DOSE	UNTREATDCONTROL	VEHICLE CONTROL	1.25%	2.5%
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	90.0%	90.0%	100.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.000	----	P=1.000	----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	.	6.0	7.0	.
	(.)	(.)	(.)	(.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	92.0	83.4	83.5	92.0
	(0.0)	(8.6)	(8.5)	(0.0)

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

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

**Experiment Number:** 56111-02  
**Test Type:** 90-DAY  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
**Test Compound:** trans-Cinnamaldehyde  
**CAS Number:** 14371-10-9

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 09:25:16  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**Male MOUSE**  
**FIRST TERMINAL SACRIFICE AT 92 DAYS**

**SURVIVAL SUMMARY STATISTICS**

<b>DOSE</b>	<b>5.0%</b>	<b>10.0%</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	50.0%	10.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.041	P=0.000
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	9.8 (0.8)	12.0 (1.4)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	50.9 (13.7)	20.0 (8.1)

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

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

**Experiment Number:** 56111-02  
**Test Type:** 90-DAY  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
**Test Compound:** trans-Cinnamaldehyde  
**CAS Number:** 14371-10-9

**Date Report Requested:** 10/20/2014  
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**First Dose M/F:** NA / NA  
**Lab:** BAT

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

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<b>DOSE = UNTREATDCONTROL</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			

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<b>DOSE = VEHICLE CONTROL</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			

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<b>DOSE = 1.25%</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			

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<b>DOSE = 2.5%</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			

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(A) FIRST TERMINAL SACRIFICE

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

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

---

**DOSE = 5.0%**

TOTAL 10                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 10

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

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**DOSE = 10.0%**

TOTAL 10                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 10

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

(A) FIRST TERMINAL SACRIFICE

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**Female 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)
UNTREATDCONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.25%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.5%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5.0%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10.0%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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**Lab:** BAT

**Female MOUSE**  
**FIRST TERMINAL SACRIFICE AT 92 DAYS**

**SURVIVAL SUMMARY STATISTICS**

DOSE	UNTREATDCONTROL	VEHICLE CONTROL	1.25%	2.5%
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	-----	-----	-----	-----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	.	.	.	.
	(.)	(.)	(.)	(.)
<b>MEAN LIFE SPAN (D)</b> (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**

**SURVIVAL SUMMARY STATISTICS**

<b>DOSE</b>	<b>5.0%</b>	<b>10.0%</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	100.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	-----	-----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	. (.)	. (.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	92.0 (0.0)	92.0 (0.0)

(A) FIRST TERMINAL SACRIFICE

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**\*\* END OF REPORT \*\***

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