Test Type: 18-33 DAYS Route: DOSED FEED

Species/Strain: Rat/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Benzyl acetate + glycine combination study

CAS Number: GLYCINEBENZA

Date Report Requested: 10/23/2014 Time Report Requested: 00:20:23

First Dose M/F: NA / NA

Lab: MBA

C Number: C93017

Lock Date: 06/12/1995

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Male

PWG Approval Date NONE

Test Type: 18-33 DAYS

Route: DOSED FEED Species/Strain: Rat/F 344/N P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Benzyl acetate + glycine combination study

CAS Number: GLYCINEBENZA

Date Report Requested: 10/23/2014 Time Report Requested: 00:20:23

First Dose M/F: NA / NA

Lab: MBA

Male RAT FIRST TERMINAL SACRIFICE AT 29 DAYS INDIVIDIAL SURVIVAL TIMES (DAYS)

				IND	VIDUAL SI	URVIVAL TI	MES (DAYS	5)				
VEHICLE	CONTROL											
TOTAL 30		UNCENSORED DEATHS 0			CENSORED DEATHS 20			TERMI	NAL 10			
SORED DE	ATH DAYS											
RED DEAT	H DAYS											
8	8	8	8	8	8	8	8	8	15	15	15	15
15	15	15	15	15								
20000 P	PM BA											
30		UNCEN	ISORED DE	ATHS 0	CENSO	ORED DEAT	ΓHS 20	TERMI	NAL 10			
SORED DE	ATH DAYS											
RED DEAT	H DAYS											
8	8	8	8	8	8	8	8	8	15	15	15	15
15	15	15	15	15								
= 50000PPN	IBA-GLY											
10		UNCEN	ISORED DE	ATHS 1	CENSO	ORED DEAT	ΓHS 0	TERMI	NAL 9			
SORED DE	ATH DAYS											
RED DEAT	'H DAYS											
= 50000PPN	IBA-ALA											
TOTAL 10 UNCENSORED DEATHS 10		CENSO	CENSORED DEATHS 0			NAL 0						
SORED DE	ATH DAYS											
7	7	7	7	7	7	7	7	7				
RED DEAT	'H DAYS											
	30 SORED DE RED DEAT 8 15 = 20000 P 30 SORED DE RED DEAT 8 15 = 50000PPM 10 SORED DE T 10 SORED DE T 7	SORED DEATH DAYS RED DEATH DAYS 8 8 15 15 20000 PPM BA 30 SORED DEATH DAYS 8 8 15 15 50000PPMBA-GLY 10 SORED DEATH DAYS RED DEATH DAYS 4 50000PPMBA-ALA 10 SORED DEATH DAYS	30 UNCEN SORED DEATH DAYS RED DEATH DAYS 8 8 8 8 15 15 15 15 20000 PPM BA 30 UNCEN SORED DEATH DAYS 8 8 8 8 15 15 15 15 50000PPMBA-GLY 10 UNCEN SORED DEATH DAYS RED DEATH DAYS RED DEATH DAYS 15 15 15 50000PPMBA-ALA 10 UNCEN SORED DEATH DAYS 7 7 7	30 UNCENSORED DE SORED DEATH DAYS RED DEATH DAYS 8 8 8 8 8 8 8 15 15 15 15 15 15 15 15 15 15 15 15 15	VEHICLE CONTROL 30	EVEHICLE CONTROL 30 UNCENSORED DEATHS 0 CENSORED DEATH DAYS RED DEATH DAYS 8 8 8 8 8 8 8 8 8 8 8 8 8 15 15 15 15 15 15 15 15 15 15 15 15 15	VEHICLE CONTROL 30	VEHICLE CONTROL 30	30 UNCENSORED DEATHS 0 CENSORED DEATHS 20 TERMI SORED DEATH DAYS RED DEATH DAYS	VEHICLE CONTROL 30	VEHICLE CONTROL 30	VEHICLE CONTROL 30

⁽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)

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Type: 18-33 DAYS

Test Compound: Benzyl acetate + glycine combination study

Route: DOSED FEED Species/Strain: Rat/F 344/N **CAS Number: GLYCINEBENZA**

Date Report Requested: 10/23/2014 Time Report Requested: 00:20:23

First Dose M/F: NA / NA

Lab: MBA

Male RAT FIRST TERMINAL SACRIFICE AT 29 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

					וטאו	IVIDUAL SU	JKVIVAL II	MES (DAYS)				
DOSE =	= ALANINE												
TOTAL	TOTAL 10 UNCENSORED DEATHS 0				EATHS 0	CENSORED DEATHS 0			TERMI	NAL 10			
UNCEN	ISORED DE	EATH DAYS											
none													
CENSO	RED DEAT	TH DAYS											
none													
DOSE =	= 35000 PI	РМ ВА											
TOTAL	30		UNCE	NSORED DE	EATHS 3	CENSO	ORED DEAT	'HS 18	TERMI	NAL 9			
UNCEN		EATH DAYS											
6	8	8											
CENSO	RED DEAT	_											
8	8	8	8	8	8	8	8	8	15	15	15	15	15
15	15	15	15										
DOSE =	= 50000 PI	PM BA											
TOTAL	TOTAL 50 UN			UNCENSORED DEATHS 40			CENSORED DEATHS 10			NAL 0			
UNCEN	ISORED DE	EATH DAYS											
5	6	6	6	6	6	6	6	7	7	7	7	7	7
7	7	7	7	7	7	7	8	8	8	8	8	8	8
9	9	9	9	9	10	10	12	12	12	12	12		
CENSO	RED DEAT	TH DAYS											
8	8	8	8	8	8	8	8	8	8				
	= 50000PPN	MBA-GLY											
TOTAL	TOTAL 10		UNCENSORED DEATHS 1			CENSO	CENSORED DEATHS 0			NAL 9			
UNCEN	ISORED DE	EATH DAYS											
6													
CENSO	RED DEAT	TH 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)

none

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Type: 18-33 DAYS

Test Compound: Benzyl acetate + glycine combination study

Route: DOSED FEED

CAS Number: GLYCINEBENZA

Lab: MBA

Date Report Requested: 10/23/2014

Time Report Requested: 00:20:23

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Male RAT FIRST TERMINAL SACRIFICE AT 29 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE =	50000PPM	IBA-ALA								
TOTAL 10		UNCE	UNCENSORED DEATHS 10			ORED DEAT	THS 0	TERMINAL 0		
UNCENS	SORED DE	ATH DAYS								
6	7	7	7	7	7	7	7	7	7	
CENSORED DEATH DAYS										

⁽A) FIRST TERMINAL SACRIFICE

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

Test Type: 18-33 DAYS

Species/Strain: Rat/F 344/N

Route: DOSED FEED

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Benzyl acetate + glycine combination study

CAS Number: GLYCINEBENZA

Date Report Requested: 10/23/2014 Time Report Requested: 00:20:23

First Dose M/F: NA / NA

Lab: MBA

Male RAT FIRST TERMINAL SACRIFICE AT 29 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE					TIME	(DAYS)				
	3	6	9	12	15	18	21	24	27	29(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
20000 PPM BA	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
50000PPMBA-GLY	100.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
50000PPMBA-ALA	100.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALANINE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
35000 PPM BA	100.0	96.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
50000 PPM BA	100.0	84.0	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50000PPMBA-GLY	100.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
50000PPMBA-ALA	100.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

⁽A) FIRST TERMINAL SACRIFICE

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

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

P

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Benzyl acetate + glycine combination study

CAS Number: GLYCINEBENZA

Date Report Requested: 10/23/2014 Time Report Requested: 00:20:23

First Dose M/F: NA / NA

Lab: MBA

Species/Strain: Rat/F 344/N

Test Type: 18-33 DAYS

Route: DOSED FEED

Male RAT FIRST TERMINAL SACRIFICE AT 29 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	VEHICLE CONTROL	20000 PPM BA	50000PPMBA-GLY	50000PPMBA-ALA	
SURVIVAL AT END OF STUDY	100.0%	100.0%	90.0%	0.0%	
(KAPLAN-MEIER)					
SIGNIFICANCE (B)					
(LIFE TABLE)					
MEAN DAY OF NATURAL DEATHS (C)			6.0	6.9	
(STANDARD ERROR)	(.)	(.)	(.)	(0.1)	
MEAN LIFE SPAN (D)	17.3	17.3	26.7	6.9	
(STANDARD ERROR)	(1.6)	(1.6)	(2.3)	(0.1)	

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

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

Test Type: 18-33 DAYS

Route: DOSED FEED Species/Strain: Rat/F 344/N P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Benzyl acetate + glycine combination study

CAS Number: GLYCINEBENZA

Date Report Requested: 10/23/2014 Time Report Requested: 00:20:23

First Dose M/F: NA / NA

Lab: MBA

Male RAT FIRST TERMINAL SACRIFICE AT 29 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	ALANINE	35000 PPM BA	50000 PPM BA	50000PPMBA-GLY	
SURVIVAL AT END OF STUDY	100.0%	90.0%	0.0%	90.0%	
(KAPLAN-MEIER)					
SIGNIFICANCE (B)					
(LIFE TABLE)					
MEAN DAY OF NATURAL DEATHS (C)		7.3	8.0	6.0	
(STANDARD ERROR)	(.)	(0.7)	(0.3)	(.)	
MEAN LIFE SPAN (D)	29.0	16.3	8.0	26.7	
(STANDARD ERROR)	(0.0)	(1.6)	(0.2)	(2.3)	

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Test Type: 18-33 DAYS

Species/Strain: Rat/F 344/N

Route: DOSED FEED

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Benzyl acetate + glycine combination study

CAS Number: GLYCINEBENZA

Date Report Requested: 10/23/2014 Time Report Requested: 00:20:23

First Dose M/F: NA / NA

Lab: MBA

Male RAT FIRST TERMINAL SACRIFICE AT 29 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	50000PPMBA-ALA
SURVIVAL AT END OF STUDY	0.0%
(KAPLAN-MEIER)	
SIGNIFICANCE (B)	
(LIFE TABLE)	
MEAN DAY OF NATURAL DEATHS (C)	6.9
(STANDARD ERROR)	(0.1)
MEAN LIFE SPAN (D)	6.9
(STANDARD ERROR)	(0.1)

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Test Type: 18-33 DAYS **Route:** DOSED FEED

Species/Strain: Rat/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Benzyl acetate + glycine combination study

CAS Number: GLYCINEBENZA

Date Report Requested: 10/23/2014 Time Report Requested: 00:20:23

First Dose M/F: NA / NA

Lab: MBA

** END OF REPORT **

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