Experiment Number: 05117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

C Number: C61994B

Lock Date: 04/09/1992

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date 04/28/1994

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Type: INIT/PROMOT

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Species/Strain: Mouse/CD-1 CRL

Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

					וטאו	VIDUAL 30	KVIVAL III	IES (DAYS)					
DOSE =	VEHICLE C	CONTROL											<u> </u>
TOTAL:	30		UNCEN	ISORED DE	ATHS 3	CENSO	RED DEATI	HS 0	TERMIN	NAL 27			
UNCEN	SORED DE	ATH DAYS											
158	207	313											
CENSO	RED DEATH	H DAYS											
none													
DOSE =	TPA 5 CO	MPLETE											
TOTAL:	30		UNCEN	ISORED DE	ATHS 13	CENSO	RED DEATI	HS 0	TERMIN	NAL 17			
UNCEN	SORED DE	ATH DAYS											
5	63	195	231	257	266	266	275	295	295	295	320	357	
CENSO	RED DEATH	1 DAYS											
none													
DOSE =	MNNG 100	/TPA 5											
TOTAL:	30		UNCEN	ISORED DE	ATHS 20	CENSO	RED DEATI	HS 0	TERMIN	NAL 10			
UNCEN	SORED DE	ATH DAYS											
85	176	181	230	230	235	259	259	271	272	284	295	296	299
313	313	325	335	336	348								
CENSO	RED DEATH	1 DAYS											
none													
DOSE =	MNNG1000)/TPA 5											
TOTAL:	30		UNCEN	ISORED DE	ATHS 26	CENSO	RED DEATI	HS 0	TERMIN	NAL 4			
UNCEN	SORED DE	ATH DAYS											
128	168	173	175	175	175	176	195	197	224	227	231	236	236
243	243	246	249	271	293	293	293	299	299	306	334		
CENSO	RED DEATH	H 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)

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

INDIVIDUAL SURVIVAL TIMES (DA													
DOSE =	MNNG 100	/ACETONE											
TOTAL	30		UNCEN	ISORED DE	ATHS 2	CENSO	RED DEAT	HS 0	TERMIN	NAL 28			
UNCEN	SORED DE	ATH DAYS											
139	224												
CENSO	RED DEAT	H DAYS											
none													
DOSE =	: MNNG100	COMPLETE											
TOTAL	30		UNCEN	ISORED DE	ATHS 16	CENSO	RED DEAT	HS 0	TERMIN	NAL 14			
UNCEN	SORED DE	ATH DAYS											
36	219	230	243	285	293	306	314	320	327	335	341	348	348
348	348												
CENSO	RED DEAT	H DAYS											
none													
DOSE =	MNNG 100	/BPO 20											
TOTAL	30		UNCEN	ISORED DE	ATHS 4	CENSO	RED DEAT	HS 0	TERMIN	IAL 26			
UNCEN	SORED DE	ATH DAYS											
220	272	313	320										
CENSO	RED DEAT	H DAYS											
none													
DOSE =	MNNG 100	/TPA 5											
TOTAL	30		UNCEN	ISORED DE	ATHS 20	CENSO	RED DEAT	HS 0	TERMIN	NAL 10			
UNCEN	SORED DE	ATH DAYS											
85	176	181	230	230	235	259	259	271	272	284	295	296	299
313	313	325	335	336	348								
CENSO	RED DEAT	H 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)

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

MNNG1000)/TPA 5											
30		UNCEN	SORED DE	ATHS 26	CENSO	RED DEATH	HS 0	TERMIN	IAL 4			
SORED DE	ATH DAYS											
168	173	175	175	175	176	195	197	224	227	231	236	236
243	246	249	271	293	293	293	299	299	306	334		
RED DEATH	1 DAYS											
MNNG 500	ACETONE											
30		UNCEN	SORED DE	ATHS 13	CENSO	RED DEATH	HS 0	TERMIN	IAL 17			
SORED DE	ATH DAYS											
175	176	195	224	238	257	259	294	302	314	341	357	
RED DEATH	1 DAYS											
MNNG 500	/BPO 20											
30		UNCEN	SORED DE	ATHS 12	CENSO	RED DEATH	HS 0	TERMIN	IAL 18			
SORED DE	ATH DAYS											
87	173	175	215	246	284	306	313	334	335	341		
RED DEATH	1 DAYS											
MNNG1000	/BPO 20											
30		UNCEN	SORED DE	ATHS 22	CENSO	RED DEATH	HS 0	TERMIN	IAL 8			
SORED DE	ATH DAYS											
174	175	195	197	197	200	219	224	229	238	246	258	277
296	299	300	306	327	348	357						
RED DEATH	1 DAYS											
	MNNG 500, 30 SORED DEATH MNNG 1000, 30 SORED DEATH 296	SORED DEATH DAYS 168 173 243 246 RED DEATH DAYS MNNG 500/ACETONE 30 SORED DEATH DAYS 175 176 RED DEATH DAYS MNNG 500/BPO 20 30 SORED DEATH DAYS 87 173 RED DEATH DAYS MNNG1000/BPO 20 30 SORED DEATH DAYS 174 175	30 UNCEN SORED DEATH DAYS 168 173 175 243 246 249 RED DEATH DAYS MNNG 500/ACETONE 30 UNCEN SORED DEATH DAYS 175 176 195 RED DEATH DAYS MNNG 500/BPO 20 30 UNCEN SORED DEATH DAYS 87 173 175 RED DEATH DAYS MNNG1000/BPO 20 30 UNCEN SORED DEATH DAYS 174 175 195 296 299 300	### SORED DEATH DAYS 168	BORED DEATH DAYS 168 173 175 175 175 243 246 249 271 293 RED DEATH DAYS MNNG 500/ACETONE BO UNCENSORED DEATHS 13 SORED DEATH DAYS 175 176 195 224 238 MNNG 500/BPO 20 BO UNCENSORED DEATHS 12 SORED DEATH DAYS 87 173 175 215 246 MNNG 500/BPO 20 BO UNCENSORED DEATHS 12 SORED DEATH DAYS WNNG 1000/BPO 20 BO UNCENSORED DEATHS 22 SORED DEATH DAYS MNNG1000/BPO 20 BO UNCENSORED DEATHS 22 SORED DEATH DAYS 174 175 195 197 197 296 299 300 306 327	### SORED DEATH DAYS 168	### SORED DEATH DAYS 168	SORED DEATH DAYS 168 173 175 175 175 176 195 197 243 246 249 271 293 293 293 299 RED DEATH DAYS MNNG 500/ACETONE 30 UNCENSORED DEATHS 13 CENSORED DEATHS 0 SORED DEATH DAYS 175 176 195 224 238 257 259 294 RED DEATH DAYS MNNG 500/BPO 20 30 UNCENSORED DEATHS 12 CENSORED DEATHS 0 SORED DEATH DAYS 87 173 175 215 246 284 306 313 RED DEATH DAYS MNNG 1000/BPO 20 30 UNCENSORED DEATHS 22 CENSORED DEATHS 0 SORED DEATH DAYS 87 173 175 215 246 284 306 313 RED DEATH DAYS MNNG 1000/BPO 20 30 UNCENSORED DEATHS 22 CENSORED DEATHS 0 SORED DEATH DAYS 174 175 195 197 197 200 219 224 296 299 300 306 327 348 357	UNCENSORED DEATHS 26 CENSORED DEATHS 0 TERMIN SORED DEATH DAYS 168 173 175 175 175 176 195 197 224 243 246 249 271 293 293 293 299 299 RED DEATH DAYS MNNG 500/ACETONE 30 UNCENSORED DEATHS 13 CENSORED DEATHS 0 TERMIN SORED DEATH DAYS 175 176 195 224 238 257 259 294 302 RED DEATH DAYS MNNG 500/BPO 20 30 UNCENSORED DEATHS 12 CENSORED DEATHS 0 TERMIN SORED DEATH DAYS 87 173 175 215 246 284 306 313 334 RED DEATH DAYS MNNG1000/BPO 20 30 UNCENSORED DEATHS 22 CENSORED DEATHS 0 TERMIN SORED DEATH DAYS MNNG1000/BPO 20 30 UNCENSORED DEATHS 22 CENSORED DEATHS 0 TERMIN SORED DEATH DAYS 174 175 195 197 197 200 219 224 229 296 299 300 306 327 348 357	### SORED DEATH DAYS 168	## SORED DEATH DAYS 168	UNCENSORED DEATHS 26 CENSORED DEATHS 0 TERMINAL 4

⁽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)

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

					ושווו	VIDUAL 30	KVIVAL III	MES (DATS)					
DOSE =	MNNG1000	/ACETONE	·		·		·	·	·	·	·		
TOTAL 3	30		UNCEN	ISORED DE	ATHS 21	CENSO	RED DEAT	HS 0	TERMIN	IAL 9			
UNCENS	SORED DE	ATH DAYS											
113	175	175	175	175	179	187	189	195	207	214	215	230	236
271	280	292	292	299	306	335							
CENSOR	RED DEATH	I DAYS											
none													
DOSE =	BPO 20 C	OMPLETE											
TOTAL 3	30		UNCEN	ISORED DE	ATHS 10	CENSO	RED DEAT	HS 0	TERMIN	IAL 20			
UNCENS	SORED DE	ATH DAYS											
215	231	256	258	272	285	313	334	335	348				
CENSOR	RED DEATH	I DAYS											
none													
DOSE =	MNNG 100	/BPO 20											
TOTAL 3	30		UNCEN	ISORED DE	ATHS 4	CENSO	RED DEAT	HS 0	TERMIN	IAL 26			
UNCENS	SORED DE	ATH DAYS											
220	272	313	320										
CENSOR	RED DEATH	I DAYS											
none													
DOSE =	MNNG 500	/BPO 20											
TOTAL 3	30		UNCEN	ISORED DE	ATHS 12	CENSO	RED DEAT	HS 0	TERMIN	IAL 18			
UNCENS	SORED DE	ATH DAYS											
46	87	173	175	215	246	284	306	313	334	335	341		
CENSOR	RED DEATH	I DAYS											
none													

⁽A) FIRST TERMINAL SACRIFICE

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

Species/Strain: Mouse/CD-1 CRL

Route: SKIN APPLICATION

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Type: INIT/PROMOT Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

							// V · · · · · · · · · · · · · · · · · ·	0 (2, 0)						
DOSE =	MNNG100	0/BPO 20												
TOTAL	30		UNCEN	ISORED DE	ATHS 22	CENSO	RED DEAT	HS 0	TERMII	NAL 8				
UNCEN	SORED DE	ATH DAYS												
126	174	175	195	197	197	200	219	224	229	238	246	258	277	
285	296	299	300	306	327	348	357							
CENSO	RED DEAT	H 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".

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Species/Strain: Mouse/CD-1 CRL

Route: SKIN APPLICATION

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Type: INIT/PROMOT Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

Male MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE					TIME	(DAYS)				
	37	74	111	148	185	222	259	296	333	362(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	96.7	93.3	93.3	93.3	90.0	90.0
TPA 5 COMPLETE	96.7	93.3	93.3	93.3	93.3	90.0	83.3	63.3	60.0	56.7
MNNG 100/TPA 5	100.0	100.0	96.7	96.7	90.0	90.0	73.3	56.7	43.3	33.3
MNNG1000/TPA 5	100.0	100.0	100.0	96.7	76.7	70.0	40.0	26.7	16.7	13.3
MNNG 100/ACETONE	100.0	100.0	100.0	96.7	96.7	96.7	93.3	93.3	93.3	93.3
MNNG100/COMPLETE	96.7	96.7	96.7	96.7	96.7	93.3	86.7	80.0	66.7	46.7
MNNG 100/BPO 20	100.0	100.0	100.0	100.0	100.0	96.7	96.7	93.3	86.7	86.7
MNNG 100/TPA 5	100.0	100.0	96.7	96.7	90.0	90.0	73.3	56.7	43.3	33.3
MNNG1000/TPA 5	100.0	100.0	100.0	96.7	76.7	70.0	40.0	26.7	16.7	13.3
MNNG 500/ACETONE	100.0	96.7	96.7	96.7	90.0	86.7	73.3	70.0	63.3	56.7
MNNG 500/BPO 20	100.0	96.7	93.3	93.3	86.7	83.3	80.0	76.7	70.0	60.0
MNNG1000/BPO 20	100.0	100.0	100.0	96.7	90.0	73.3	56.7	46.7	33.3	26.7
MNNG1000/ACETONE	100.0	100.0	100.0	96.7	80.0	60.0	53.3	40.0	33.3	30.0
BPO 20 COMPLETE	100.0	100.0	100.0	100.0	100.0	96.7	86.7	80.0	76.7	66.7
MNNG 100/BPO 20	100.0	100.0	100.0	100.0	100.0	96.7	96.7	93.3	86.7	86.7
MNNG 500/BPO 20	100.0	96.7	93.3	93.3	86.7	83.3	80.0	76.7	70.0	60.0
MNNG1000/BPO 20	100.0	100.0	100.0	96.7	90.0	73.3	56.7	46.7	33.3	26.7

⁽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)

Test Type: INIT/PROMOT

Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

Male MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

DOSE	VEHICLE CONTROL	TPA 5 COMPLETE	MNNG 100/TPA 5	MNNG1000/TPA 5	
SURVIVAL AT END OF STUDY	90.0%	56.7%	33.3%	13.3%	
(KAPLAN-MEIER)					
SIGNIFICANCE (B)					
(LIFE TABLE)					
MEAN DAY OF NATURAL DEATHS (C)	226.0	240.0	267.1	234.0	
(STANDARD ERROR)	(45.7)	(27.8)	(14.3)	(10.4)	
MEAN LIFE SPAN (D)	348.4	309.1	298.7	251.1	
(STANDARD ERROR)	(8.5)	(16.3)	(12.7)	(12.2)	

⁽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)

Test Type: INIT/PROMOT

Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

Male MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

DOSE	MNNG 100/ACETONE	MNNG100/COMPLETE	MNNG 100/BPO 20	MNNG 100/TPA 5	
SURVIVAL AT END OF STUDY	93.3%	46.7%	86.7%	33.3%	
(KAPLAN-MEIER)					
SIGNIFICANCE (B)					
(LIFE TABLE)					
MEAN DAY OF NATURAL DEATHS (C)	181.5	290.1	281.3	267.1	
(STANDARD ERROR)	(42.5)	(20.1)	(21.3)	(14.3)	
MEAN LIFE SPAN (D)	350.0	323.6	351.2	298.7	
(STANDARD ERROR)	(8.6)	(12.5)	(5.8)	(12.7)	

⁽A) FIRST TERMINAL SACRIFICE

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

Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Type: INIT/PROMOT Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

Male MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

DOSE	MNNG1000/TPA 5	MNNG 500/ACETONE	MNNG 500/BPO 20	MNNG1000/BPO 20	-
SURVIVAL AT END OF STUDY	13.3%	56.7%	60.0%	26.7%	
(KAPLAN-MEIER)					
SIGNIFICANCE (B)					
(LIFE TABLE)					
MEAN DAY OF NATURAL DEATHS (C)	234.0	245.4	237.9	248.8	
(STANDARD ERROR)	(10.4)	(22.7)	(28.2)	(12.9)	
MEAN LIFE SPAN (D)	251.1	311.5	312.4	279.0	
(STANDARD ERROR)	(12.2)	(14.4)	(15.9)	(13.3)	

⁽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".

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

Test Type: INIT/PROMOT

Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

Male MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

DOSE	MNNG1000/ACETONE	BPO 20 COMPLETE	MNNG 100/BPO 20	MNNG 500/BPO 20	
SURVIVAL AT END OF STUDY	30.0%	66.7%	86.7%	60.0%	
(KAPLAN-MEIER)					
SIGNIFICANCE (B)					
(LIFE TABLE)					
MEAN DAY OF NATURAL DEATHS (C)	225.7	284.7	281.3	237.9	
(STANDARD ERROR)	(12.7)	(14.6)	(21.3)	(28.2)	
MEAN LIFE SPAN (D)	266.6	336.2	351.2	312.4	
(STANDARD ERROR)	(14.6)	(8.2)	(5.8)	(15.9)	

⁽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)

Test Type: INIT/PROMOT

Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

Male MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

DOSE	MNNG1000/BPO 20
SURVIVAL AT END OF STUDY	26.7%
(KAPLAN-MEIER)	
SIGNIFICANCE (B)	
(LIFE TABLE)	
MEAN DAY OF NATURAL DEATHS (C)	248.8
(STANDARD ERROR)	(12.9)
MEAN LIFE SPAN (D)	279.0
(STANDARD ERROR)	(13.3)

⁽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)

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

DOSE = VEHICLE CONTROL						וטווו	VIDUAL 30	KVIVAL III	IIES (DATS)					
UNCENSORED DEATH DAYS 335	DOSE =	VEHICLE (CONTROL											
335	TOTAL 3	30		UNCEN	ISORED DE	ATHS 3	CENSO	RED DEAT	HS 0	TERMIN	IAL 27			
CENSORED DEATH DAYS	UNCENS	SORED DE	ATH DAYS											
DOSE = TPA 5 COMPLETE	335	347	360											
DOSE = TPA 5 COMPLETE	CENSOR	RED DEATH	H DAYS											
TOTAL 30 UNCENSORED DEATHS 5 CENSORED DEATHS 0 TERMINAL 25 UNCENSORED DEATH DAYS 194	none													
UNCENSORED DEATH DAYS 194	DOSE =	TPA 5 CO	MPLETE											
194	TOTAL 3	30		UNCEN	ISORED DE	ATHS 5	CENSO	RED DEAT	HS 0	TERMIN	IAL 25			
CENSORED DEATH DAYS	UNCENS	SORED DE	ATH DAYS											
DOSE = MNNG 100/TPA 5	194	219	221	300	360									
DOSE = MNNG 100/TPA 5 TOTAL 30 UNCENSORED DEATHS 8 CENSORED DEATHS 0 TERMINAL 22 UNCENSORED DEATH DAYS 113 273 286 300 300 315 326 350 CENSORED DEATH DAYS none DOSE = MNNG1000/TPA 5 TOTAL 30 UNCENSORED DEATHS 15 CENSORED DEATHS 0 TERMINAL 15 UNCENSORED DEATH DAYS 47 133 139 179 195 197 231 237 251 258 266 314 314 324 CENSORED DEATH DAYS	CENSOR	RED DEATH	H DAYS											
TOTAL 30	none													
UNCENSORED DEATH DAYS 113	DOSE =	MNNG 100	/TPA 5											
113	TOTAL 3	30		UNCEN	ISORED DE	ATHS 8	CENSO	RED DEAT	HS 0	TERMIN	IAL 22			
CENSORED DEATH DAYS none DOSE = MNNG1000/TPA 5 TOTAL 30	UNCENS	SORED DE	ATH DAYS											
none DOSE = MNNG1000/TPA 5 TOTAL 30 UNCENSORED DEATHS 15 CENSORED DEATHS 0 TERMINAL 15 UNCENSORED DEATH DAYS 47 133 139 179 195 197 231 237 251 258 266 314 314 324 CENSORED DEATH DAYS	113	273	286	300	300	315	326	350						
DOSE = MNNG1000/TPA 5 TOTAL 30 UNCENSORED DEATHS 15 CENSORED DEATHS 0 TERMINAL 15 UNCENSORED DEATH DAYS 47 133 139 179 195 197 231 237 251 258 266 314 314 324 CENSORED DEATH DAYS	CENSOR	RED DEATH	1 DAYS											
TOTAL 30 UNCENSORED DEATHS 15 CENSORED DEATHS 0 TERMINAL 15 UNCENSORED DEATH DAYS 47 133 139 179 195 197 231 237 251 258 266 314 314 324 341 CENSORED DEATH DAYS	none													
UNCENSORED DEATH DAYS 47 133 139 179 195 197 231 237 251 258 266 314 314 327 341 CENSORED DEATH DAYS	DOSE =	MNNG1000)/TPA 5											
47 133 139 179 195 197 231 237 251 258 266 314 314 32° 341 CENSORED DEATH DAYS	TOTAL 3	30		UNCEN	ISORED DE	ATHS 15	CENSO	RED DEAT	HS 0	TERMIN	IAL 15			
341 CENSORED DEATH DAYS	UNCENS	SORED DE	ATH DAYS											
CENSORED DEATH DAYS	47	133	139	179	195	197	231	237	251	258	266	314	314	321
	341													
none	CENSOR	RED DEATH	H 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)

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

DOSE = MNNG 100/ACETONE						IIIDI	VIDUAL 30	ILAIAWE III	VILO (DA 13)					
UNCENSORED DEATH DAYS 154 CENSORED DEATH DAYS none DOSE = MNNG100/COMPLETE TOTAL 30	DOSE =	MNNG 100	/ACETONE											
TOSE = MNNG100/COMPLETE TOTAL 30 UNCENSORED DEATH DAYS 287	TOTAL 3	30		UNCENSORED DEATHS 1			CENSC	CENSORED DEATHS 0			NAL 29			
CENSORED DEATH DAYS NONE PROPER PROPERTY PRO	UNCENS	UNCENSORED DEATH DAYS												
DOSE = MNNG100/COMPLETE	154													
DOSE = MNNG100/COMPLETE	CENSORED DEATH DAYS													
TOTAL 30 UNCENSORED DEATHS 11 CENSORED DEATHS 0 TERMINAL 19 UNCENSORED DEATH DAYS 287	none													
UNCENSORED DEATH DAYS 287	DOSE =	MNNG100	COMPLETE											
287	TOTAL 3	30		UNCEN	ISORED DE	ATHS 11	CENSC	RED DEAT	HS 0	TERMIN	NAL 19			
CENSORED DEATH DAYS	UNCENS	SORED DE	ATH DAYS											
DOSE = MNNG 100/TPA 5	287	292	293	313	316	321	326	335	347	347	347			
DOSE = MNNG 100/TPA 5 TOTAL 30 UNCENSORED DEATHS 8 CENSORED DEATHS 0 TERMINAL 22 UNCENSORED DEATH DAYS 113 273 286 300 300 315 326 350 CENSORED DEATH DAYS none DOSE = MNNG1000/TPA 5 TOTAL 30 UNCENSORED DEATHS 15 CENSORED DEATHS 0 TERMINAL 15 UNCENSORED DEATH DAYS 47 133 139 179 195 197 231 237 251 258 266 314 314 321 341 CENSORED DEATH DAYS	CENSOR	RED DEAT	H DAYS											
TOTAL 30 UNCENSORED DEATHS 8 CENSORED DEATHS 0 TERMINAL 22 UNCENSORED DEATH DAYS 113	none													
UNCENSORED DEATH DAYS 113	DOSE =	MNNG 100	/TPA 5											
113	TOTAL 3	30		UNCEN	UNCENSORED DEATHS 8		CENSC	RED DEAT	HS 0	TERMIN	NAL 22			
CENSORED DEATH DAYS none DOSE = MNNG1000/TPA 5 TOTAL 30	UNCENS	SORED DE	ATH DAYS											
none DOSE = MNNG1000/TPA 5 TOTAL 30 UNCENSORED DEATHS 15 CENSORED DEATHS 0 TERMINAL 15 UNCENSORED DEATH DAYS 47 133 139 179 195 197 231 237 251 258 266 314 314 321 341 CENSORED DEATH DAYS	113	273	286	300	300	315	326	350						
DOSE = MNNG1000/TPA 5 TOTAL 30 UNCENSORED DEATHS 15 CENSORED DEATHS 0 TERMINAL 15 UNCENSORED DEATH DAYS 47 133 139 179 195 197 231 237 251 258 266 314 314 321 341 CENSORED DEATH DAYS	CENSOR	RED DEAT	H DAYS											
TOTAL 30 UNCENSORED DEATHS 15 CENSORED DEATHS 0 TERMINAL 15 UNCENSORED DEATH DAYS 47 133 139 179 195 197 231 237 251 258 266 314 314 321 341 CENSORED DEATH DAYS	none													
UNCENSORED DEATH DAYS 47 133 139 179 195 197 231 237 251 258 266 314 314 321 341 CENSORED DEATH DAYS	DOSE =	MNNG100	0/TPA 5											
47 133 139 179 195 197 231 237 251 258 266 314 314 321 341 CENSORED DEATH DAYS	TOTAL 3	TOTAL 30		UNCEN	ISORED DE	ATHS 15	CENSC	CENSORED DEATHS 0			NAL 15			
341 CENSORED DEATH DAYS	UNCENS	SORED DE	ATH DAYS											
CENSORED DEATH DAYS	47	133	139	179	195	197	231	237	251	258	266	314	314	321
	341													
none	CENSOR	RED DEAT	H DAYS											
HOHE	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)

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

					וטאו	VIDUAL 50	RVIVAL IIIV	IES (DAYS)					
DOSE =	MNNG 500/	ACETONE											
TOTAL 30		UNCEN	ISORED DE	ATHS 3	CENSO	RED DEATH	HS 0	TERMIN	NAL 27				
UNCEN	SORED DEA	ATH DAYS											
42	175	257											
CENSO	RED DEATH	I DAYS											
none													
DOSE =	= MNNG 100/	BPO 20											
TOTAL	30		UNCEN	ISORED DE	ATHS 2	CENSO	RED DEATH	HS 0	TERMIN	NAL 28			
UNCEN	SORED DEA	ATH DAYS											
176	251												
CENSO	RED DEATH	I DAYS											
none													
DOSE =	= MNNG 500/	BPO 20											
TOTAL	30		UNCENSORED DEATHS 10		CENSO	RED DEATH	HS 0	TERMIN	NAL 20				
UNCEN	SORED DEA	ATH DAYS											
154	214	219	224	230	241	251	286	314	347				
CENSO	RED DEATH	I DAYS											
none													
DOSE =	= MNNG1000	/BPO 20											
TOTAL 30		UNCENSORED DEATHS 13		CENSO	CENSORED DEATHS 0			TERMINAL 17					
UNCEN	SORED DEA	ATH DAYS											
48	137	151	169	207	214	215	266	284	293	293	326	347	
CENSO	RED DEATH	I 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)

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

					ושאוו	VIDUAL 30	KVIVAL III	IIES (DATS)					
DOSE =	MNNG100	0/ACETONE											
TOTAL 30		UNCENSORED DEATHS 15			CENSO	CENSORED DEATHS 0			TERMINAL 15				
UNCEN	SORED DE	ATH DAYS											
43	81	95	151	183	194	214	219	229	230	230	267	267	316
335													
CENSO	RED DEAT	H DAYS											
none													
DOSE =	BPO 20 C	OMPLETE											
TOTAL	30		UNCEN	ISORED DE	ATHS 1	CENSO	RED DEATI	HS 0	TERMIN	IAL 29			
UNCEN	SORED DE	ATH DAYS											
321													
CENSO	RED DEAT	H DAYS											
none													
DOSE =	= MNNG 100)/BPO 20											
TOTAL	30		UNCEN	ISORED DE	ATHS 2	CENSO	RED DEATI	HS 0	TERMIN	IAL 28			
UNCEN	SORED DE	ATH DAYS											
176	251												
CENSO	RED DEAT	H DAYS											
none													
DOSE =	= MNNG 500)/BPO 20											
TOTAL	OTAL 30 UNCENSORED DEATHS 10 CENSORED DEATHS 0		HS 0	TERMIN	IAL 20								
UNCEN	SORED DE	ATH DAYS											
154	214	219	224	230	241	251	286	314	347				
CENSO	RED DEAT	H 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)

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

Female MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

								()					
DOSE	= MNNG1000	D/BPO 20											
TOTAL 30			UNCEN	UNCENSORED DEATHS 13			CENSORED DEATHS 0			TERMINAL 17			
UNCENSORED DEATH DAYS													
48	137	151	169	207	214	215	266	284	293	293	326	347	
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)

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Type: INIT/PROMOT
Route: SKIN APPLICATION

 $\textbf{Test Compound:} \ \, \mathsf{Init/prom \ comparative \ mouse \ } \ \, \mathsf{study} \ \, (\mathsf{DMBA/TPA/BPO/MNNG})$

Species/Strain: Mouse/CD-1 CRL

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

Female MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE					TIME	(DAYS)				
	37	74	111	148	185	222	259	296	333	362(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.0
TPA 5 COMPLETE	100.0	100.0	100.0	100.0	100.0	90.0	90.0	90.0	86.7	83.3
MNNG 100/TPA 5	100.0	100.0	100.0	96.7	96.7	96.7	96.7	90.0	76.7	73.3
MNNG1000/TPA 5	100.0	96.7	96.7	90.0	86.7	80.0	66.7	63.3	53.3	50.0
MNNG 100/ACETONE	100.0	100.0	100.0	100.0	96.7	96.7	96.7	96.7	96.7	96.7
MNNG100/COMPLETE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.0	76.7	63.3
MNNG 100/TPA 5	100.0	100.0	100.0	96.7	96.7	96.7	96.7	90.0	76.7	73.3
MNNG1000/TPA 5	100.0	96.7	96.7	90.0	86.7	80.0	66.7	63.3	53.3	50.0
MNNG 500/ACETONE	100.0	96.7	96.7	96.7	93.3	93.3	90.0	90.0	90.0	90.0
MNNG 100/BPO 20	100.0	100.0	100.0	100.0	96.7	96.7	93.3	93.3	93.3	93.3
MNNG 500/BPO 20	100.0	100.0	100.0	100.0	96.7	90.0	76.7	73.3	70.0	66.7
MNNG1000/BPO 20	100.0	96.7	96.7	93.3	86.7	76.7	76.7	63.3	60.0	56.7
MNNG1000/ACETONE	100.0	96.7	90.0	90.0	83.3	73.3	63.3	56.7	53.3	50.0
BPO 20 COMPLETE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.7	96.7
MNNG 100/BPO 20	100.0	100.0	100.0	100.0	96.7	96.7	93.3	93.3	93.3	93.3
MNNG 500/BPO 20	100.0	100.0	100.0	100.0	96.7	90.0	76.7	73.3	70.0	66.7
MNNG1000/BPO 20	100.0	96.7	96.7	93.3	86.7	76.7	76.7	63.3	60.0	56.7

⁽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)

Test Type: INIT/PROMOT

Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

Female MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

DOSE	VEHICLE CONTROL	TPA 5 COMPLETE	MNNG 100/TPA 5	MNNG1000/TPA 5	
SURVIVAL AT END OF STUDY	90.0%	83.3%	73.3%	50.0%	
(KAPLAN-MEIER)					
SIGNIFICANCE (B)					
(LIFE TABLE)					
MEAN DAY OF NATURAL DEATHS (C)	347.3	258.8	282.9	228.2	
(STANDARD ERROR)	(7.2)	(30.9)	(24.8)	(20.7)	
MEAN LIFE SPAN (D)	360.5	344.8	340.9	295.1	
(STANDARD ERROR)	(1.0)	(8.5)	(9.2)	(16.2)	

⁽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)

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

Female MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

DOSE	MNNG 100/ACETONE	MNNG100/COMPLETE	MNNG 100/TPA 5	MNNG1000/TPA 5
SURVIVAL AT END OF STUDY	96.7%	63.3%	73.3%	50.0%
(KAPLAN-MEIER)				
SIGNIFICANCE (B)				
(LIFE TABLE)				
MEAN DAY OF NATURAL DEATHS (C)	154.0	320.4	282.9	228.2
(STANDARD ERROR)	(.)	(6.8)	(24.8)	(20.7)
MEAN LIFE SPAN (D)	355.1	346.7	340.9	295.1
(STANDARD ERROR)	(6.9)	(4.4)	(9.2)	(16.2)

⁽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)

Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Type: INIT/PROMOT Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

Female MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

DOSE	MNNG 500/ACETONE	MNNG 100/BPO 20	MNNG 500/BPO 20	MNNG1000/BPO 20	
SURVIVAL AT END OF STUDY	90.0%	93.3%	66.7%	56.7%	
(KAPLAN-MEIER)					
SIGNIFICANCE (B)					
(LIFE TABLE)					
MEAN DAY OF NATURAL DEATHS (C)	158.0	213.5	248.0	226.9	
(STANDARD ERROR)	(62.6)	(30.6)	(17.0)	(23.2)	
MEAN LIFE SPAN (D)	341.6	352.1	324.0	303.5	
(STANDARD ERROR)	(12.5)	(7.1)	(11.4)	(16.0)	

⁽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)

Test Type: INIT/PROMOT

Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

Female MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

DOSE	MNNG1000/ACETONE	BPO 20 COMPLETE	MNNG 100/BPO 20	MNNG 500/BPO 20	
SURVIVAL AT END OF STUDY	50.0%	96.7%	93.3%	66.7%	
(KAPLAN-MEIER)					
SIGNIFICANCE (B)					
(LIFE TABLE)					
MEAN DAY OF NATURAL DEATHS (C)	203.6	321.0	213.5	248.0	
(STANDARD ERROR)	(21.4)	(.)	(30.6)	(17.0)	
MEAN LIFE SPAN (D)	282.8	360.6	352.1	324.0	
(STANDARD ERROR)	(18.1)	(1.4)	(7.1)	(11.4)	

⁽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)

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

Female MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

DOSE	MNNG1000/BPO 20
SURVIVAL AT END OF STUDY	56.7%
(KAPLAN-MEIER)	
SIGNIFICANCE (B)	
(LIFE TABLE)	
MEAN DAY OF NATURAL DEATHS (C)	226.9
(STANDARD ERROR)	(23.2)
MEAN LIFE SPAN (D)	303.5
(STANDARD ERROR)	(16.0)

⁽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)

Test Type: INIT/PROMOT

Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:39:45

First Dose M/F: NA / NA

Lab: BAT

** 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)