

**Experiment Number:** 93011-03  
**Test Type:** 90-DAY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

**Test Compound:** p-tert-Butylcatechol  
**CAS Number:** 98-29-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 11:41:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C93011B
<b>Lock Date:</b>	04/02/1997
<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

**Experiment Number:** 93011-03

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**SUMMARY OF STATISTICALLY SIGNIFICANT ( $P \leq .05$ ) RESULTS IN THE ANALYSIS OF P-TERT-BUTYLCATECHOL**

**MALE RAT**

**Organ**

Liver

Lung

Stomach, Forestomach: Epithelium

**FEMALE RAT**

**Organ**

Kidney

Liver

Stomach, Forestomach: Epithelium

**Morphology**

Cytoplasmic Alteration

Inflammation Chronic

Hyperkeratosis

Hyperplasia

**Morphology**

Mineralization

Hepatodiaphragmatic Nodule

Inflammation Chronic

Hyperkeratosis

Hyperplasia

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Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
LAST REMOVAL AT 14286 WEEKS

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Heart</b>						
<b>Cardiomyopathy</b>						
<b>LESION RATES</b>						
OVERALL(a)	7/10 (70%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	5/10 (50%)
POLY-3 RATE (b)	7/10.00	0/0.00	0/0.00	0/0.00	0/0.00	5/10.00
POLY-3 PERCENT (g)	70%	0%	0%	0%	0%	50%
TERMINAL (d)	7/10 (70%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	5/10 (50%)
FIRST INCIDENCE	92(T)	---	---	---	---	92(T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.329N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.329N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.329N
COCH-ARM / FISHERS	P=0.247N	(e)	(e)	(e)	(e)	P=0.325N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.189N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: p-tert-Butylcatechol  
 CAS Number: 98-29-3

Date Report Requested: 10/21/2014  
 Time Report Requested: 11:41:28  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Intestine Large, Rectum</b>						
<b>Parasite Metazoan</b>						
<b>LESION RATES</b>						
OVERALL(a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	20%	0%	0%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92(T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.227N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.227N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.227N
COCH-ARM / FISHERS	P=0.132N	(e)	(e)	(e)	(e)	P=0.237N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.067N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: p-tert-Butylcatechol  
 CAS Number: 98-29-3

Date Report Requested: 10/21/2014  
 Time Report Requested: 11:41:28  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Kidney</b>						
<b>Mineralization</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: p-tert-Butylcatechol

CAS Number: 98-29-3

Date Report Requested: 10/21/2014

Time Report Requested: 11:41:28

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
LAST REMOVAL AT 14286 WEEKS

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Kidney</b>						
<b>Nephropathy</b>						
<b>LESION RATES</b>						
OVERALL(a)	7/10 (70%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	4/10 (40%)
POLY-3 RATE (b)	7/10.00	0/0.00	0/0.00	0/0.00	0/0.00	4/10.00
POLY-3 PERCENT (g)	70%	0%	0%	0%	0%	40%
TERMINAL (d)	7/10 (70%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	4/10 (40%)
FIRST INCIDENCE	92(T)	---	---	---	---	92(T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.186N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.186N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.186N
COCH-ARM / FISHERS	P=0.131N	(e)	(e)	(e)	(e)	P=0.185N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.090N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: p-tert-Butylcatechol  
 CAS Number: 98-29-3

Date Report Requested: 10/21/2014  
 Time Report Requested: 11:41:28  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Liver</b>						
<b>Basophilic Focus</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	92(T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.416N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
POLY 1.5	P=0.416N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
POLY 6	P=0.416N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
COCH-ARM / FISHERS	P=0.415N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.075N	P=0.159N	P=0.159N	P=0.159N	P=0.159N	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: p-tert-Butylcatechol  
 CAS Number: 98-29-3

Date Report Requested: 10/21/2014  
 Time Report Requested: 11:41:28  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Liver</b>						
<b>Cytoplasmic Alteration</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	100%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	---	92(T)	92(T)
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	(e)	(e)	(e)	P=NA	P=NA
POLY 1.5	P=0.000**	(e)	(e)	(e)	P=NA	P=NA
POLY 6	P=0.000**	(e)	(e)	(e)	P=NA	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						



Experiment Number: 93011-03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: p-tert-Butylcatechol  
 CAS Number: 98-29-3

Date Report Requested: 10/21/2014  
 Time Report Requested: 11:41:28  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Liver</b>						
<b>Hepatodiaphragmatic Nodule</b>						
<b>LESION RATES</b>						
<b>OVERALL(a)</b>	1/10 (10%)	1/10 (10%)	1/10 (10%)	2/10 (20%)	2/10 (20%)	0/10 (0%)
<b>POLY-3 RATE (b)</b>	1/10.00	1/10.00	1/10.00	2/10.00	2/10.00	0/10.00
<b>POLY-3 PERCENT (g)</b>	10%	10%	10%	20%	20%	0%
<b>TERMINAL (d)</b>	1/10 (10%)	1/10 (10%)	1/10 (10%)	2/10 (20%)	2/10 (20%)	0/10 (0%)
<b>FIRST INCIDENCE</b>	92(T)	92(T)	92(T)	92(T)	92(T)	---
<b>STATISTICAL TESTS</b>						
<b>POLY 3</b>	P=0.357N	P=0.760	P=0.760	P=0.500	P=0.500	P=0.500N
<b>POLY 1.5</b>	P=0.357N	P=0.760	P=0.760	P=0.500	P=0.500	P=0.500N
<b>POLY 6</b>	P=0.357N	P=0.760	P=0.760	P=0.500	P=0.500	P=0.500N
<b>COCH-ARM / FISHERS</b>	P=0.353N	P=0.763N	P=0.763N	P=0.500	P=0.500	P=0.500N
<b>MAX-ISO-POLY-3</b>	P=0.316N	P=1.000	P=1.000	P=0.274	P=0.274	P=0.159N
<b>HISTCONT SAME RTE</b>						
<b>HISTCONT ALL RTES</b>						
<b>CURR VS HC SAME RTE</b>						
<b>CURR VS HC ALL RTES</b>						

Experiment Number: 93011-03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: p-tert-Butylcatechol  
 CAS Number: 98-29-3

Date Report Requested: 10/21/2014  
 Time Report Requested: 11:41:28  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Liver</b>						
<b>Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL(a)	5/10 (50%)	5/10 (50%)	3/10 (30%)	4/10 (40%)	3/10 (30%)	5/10 (50%)
POLY-3 RATE (b)	5/10.00	5/10.00	3/10.00	4/10.00	3/10.00	5/10.00
POLY-3 PERCENT (g)	50%	50%	30%	40%	30%	50%
TERMINAL (d)	5/10 (50%)	5/10 (50%)	3/10 (30%)	4/10 (40%)	3/10 (30%)	5/10 (50%)
FIRST INCIDENCE	92(T)	92(T)	92(T)	92(T)	92(T)	92(T)
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.540	P=0.664	P=0.329N	P=0.500N	P=0.329N	P=0.664
POLY 1.5	P=0.540	P=0.664	P=0.329N	P=0.500N	P=0.329N	P=0.664
POLY 6	P=0.540	P=0.664	P=0.329N	P=0.500N	P=0.329N	P=0.664
COCH-ARM / FISHERS	P=0.541	P=0.672N	P=0.325N	P=0.500N	P=0.325N	P=0.672N
MAX-ISO-POLY-3	P=0.531N	P=1.000	P=0.189N	P=0.334N	P=0.189N	P=1.000
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: p-tert-Butylcatechol

CAS Number: 98-29-3

Date Report Requested: 10/21/2014

Time Report Requested: 11:41:28

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
LAST REMOVAL AT 14286 WEEKS

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Lung</b>						
<b>Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	4/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	40%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	4/10 (40%)
FIRST INCIDENCE	---	---	---	---	---	92(T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.033*
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.033*
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.033*
COCH-ARM / FISHERS	P=0.025*	(e)	(e)	(e)	(e)	P=0.043*
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.007**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: p-tert-Butylcatechol  
 CAS Number: 98-29-3

Date Report Requested: 10/21/2014  
 Time Report Requested: 11:41:28  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Lung: Alveolar Epith Hyperplasia</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92(T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: p-tert-Butylcatechol

CAS Number: 98-29-3

Date Report Requested: 10/21/2014

Time Report Requested: 11:41:28

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
LAST REMOVAL AT 14286 WEEKS

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Lung: Alveolar Epith Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: p-tert-Butylcatechol  
 CAS Number: 98-29-3

Date Report Requested: 10/21/2014  
 Time Report Requested: 11:41:28  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Stomach, Forestomach: Epithelium</b>						
<b>Hyperkeratosis</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	4/10 (40%)	8/10 (80%)	9/10 (90%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	4/10.00	8/10.00	9/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	40%	80%	90%	100%	100%
TERMINAL (d)	0/10 (0%)	4/10 (40%)	8/10 (80%)	9/10 (90%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	---	92(T)	92(T)	92(T)	92(T)	92(T)
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	P=0.033*	P=0.000**	P=0.000**	P=NA	P=NA
POLY 1.5	P=0.000**	P=0.033*	P=0.000**	P=0.000**	P=NA	P=NA
POLY 6	P=0.000**	P=0.033*	P=0.000**	P=0.000**	P=NA	P=NA
COCH-ARM / FISHERS	P=0.000**	P=0.043*	P=0.000**	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P=0.007**	P=0.000**	P=0.000**	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: p-tert-Butylcatechol  
 CAS Number: 98-29-3

Date Report Requested: 10/21/2014  
 Time Report Requested: 11:41:28  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Stomach, Forestomach: Epithelium</b>						
<b>Hyperplasia</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/10 (0%)	2/10 (20%)	8/10 (80%)	8/10 (80%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	2/10.00	8/10.00	8/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	20%	80%	80%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	2/10 (20%)	8/10 (80%)	8/10 (80%)	10/10 (100%)
FIRST INCIDENCE	---	---	92(T)	92(T)	92(T)	92(T)
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	(e)	P=0.227	P=0.000**	P=0.000**	P=NA
POLY 1.5	P=0.000**	(e)	P=0.227	P=0.000**	P=0.000**	P=NA
POLY 6	P=0.000**	(e)	P=0.227	P=0.000**	P=0.000**	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	P=0.237	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	P=0.067	P=0.000**	P=0.000**	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: p-tert-Butylcatechol

CAS Number: 98-29-3

Date Report Requested: 10/21/2014

Time Report Requested: 11:41:28

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
LAST REMOVAL AT 14286 WEEKS

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Clitoral Gland</b>						
<b>Cyst</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92(T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						



Experiment Number: 93011-03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: p-tert-Butylcatechol  
 CAS Number: 98-29-3

Date Report Requested: 10/21/2014  
 Time Report Requested: 11:41:28  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Heart</b>						
<b>Cardiomyopathy</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	3/10 (30%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	3/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	30%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	3/10 (30%)
FIRST INCIDENCE	92(T)	---	---	---	---	92(T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.292
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.292
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.292
COCH-ARM / FISHERS	P=0.201	(e)	(e)	(e)	(e)	P=0.291
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.138
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: p-tert-Butylcatechol  
 CAS Number: 98-29-3

Date Report Requested: 10/21/2014  
 Time Report Requested: 11:41:28  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Intestine Large, Rectum</b>						
<b>Parasite Metazoan</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: p-tert-Butylcatechol

CAS Number: 98-29-3

Date Report Requested: 10/21/2014

Time Report Requested: 11:41:28

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
LAST REMOVAL AT 14286 WEEKS

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Kidney</b>						
<b>Mineralization</b>						
<b>LESION RATES</b>						
OVERALL(a)	3/10 (30%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	3/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	30%	0%	0%	0%	0%	0%
TERMINAL (d)	3/10 (30%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92(T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.095N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.095N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.095N
COCH-ARM / FISHERS	P=0.059N	(e)	(e)	(e)	(e)	P=0.105N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.025N*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: p-tert-Butylcatechol  
 CAS Number: 98-29-3

Date Report Requested: 10/21/2014  
 Time Report Requested: 11:41:28  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Kidney</b>						
<b>Nephropathy</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	4/10 (40%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	4/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	40%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	4/10 (40%)
FIRST INCIDENCE	92(T)	---	---	---	---	92(T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.148
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.148
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.148
COCH-ARM / FISHERS	P=0.098	(e)	(e)	(e)	(e)	P=0.152
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.059
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: p-tert-Butylcatechol  
 CAS Number: 98-29-3

Date Report Requested: 10/21/2014  
 Time Report Requested: 11:41:28  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
Liver						
Basophilic Focus						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/5 (0%)	0/1 (0%)	0/1 (0%)	0/2 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/5.00	0/1.00	0/1.00	0/2.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/5 (0%)	0/1 (0%)	0/1 (0%)	0/2 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: p-tert-Butylcatechol  
 CAS Number: 98-29-3

Date Report Requested: 10/21/2014  
 Time Report Requested: 11:41:28  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Liver</b>						
<b>Cytoplasmic Alteration</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/5 (0%)	0/1 (0%)	0/1 (0%)	0/2 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/5.00	0/1.00	0/1.00	0/2.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/5 (0%)	0/1 (0%)	0/1 (0%)	0/2 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: p-tert-Butylcatechol  
 CAS Number: 98-29-3

Date Report Requested: 10/21/2014  
 Time Report Requested: 11:41:28  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Liver</b>						
<b>Hepatodiaphragmatic Nodule</b>						
<b>LESION RATES</b>						
OVERALL(a)	3/10 (30%)	5/5 (100%)	1/1 (100%)	1/1 (100%)	2/2 (100%)	0/10 (0%)
POLY-3 RATE (b)	3/10.00	5/5.00	1/1.00	1/1.00	2/2.00	0/10.00
POLY-3 PERCENT (g)	30%	100%	100%	100%	100%	0%
TERMINAL (d)	3/10 (30%)	5/5 (100%)	1/1 (100%)	1/1 (100%)	2/2 (100%)	0/10 (0%)
FIRST INCIDENCE	92(T)	92(T)	92(T)	92(T)	92(T)	---
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000N**	P=0.006**	P=0.384	P=0.384	P=0.130	P=0.095N
POLY 1.5	P=0.000N**	P=0.006**	P=0.384	P=0.384	P=0.130	P=0.095N
POLY 6	P=0.000N**	P=0.006**	P=0.384	P=0.384	P=0.130	P=0.095N
COCH-ARM / FISHERS	P=0.008N**	P=0.019*	P=0.364	P=0.364	P=0.152	P=0.105N
MAX-ISO-POLY-3	P=0.000N**	P=0.003**	P=0.153	P=0.153	P=0.063	P=0.025N*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: p-tert-Butylcatechol  
 CAS Number: 98-29-3

Date Report Requested: 10/21/2014  
 Time Report Requested: 11:41:28  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Liver</b>						
<b>Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL(a)	10/10 (100%)	0/5 (0%)	0/1 (0%)	0/1 (0%)	0/2 (0%)	4/10 (40%)
POLY-3 RATE (b)	10/10.00	0/5.00	0/1.00	0/1.00	0/2.00	4/10.00
POLY-3 PERCENT (g)	100%	0%	0%	0%	0%	40%
TERMINAL (d)	10/10 (100%)	0/5 (0%)	0/1 (0%)	0/1 (0%)	0/2 (0%)	4/10 (40%)
FIRST INCIDENCE	92(T)	---	---	---	---	92(T)
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.038N*	P=NA	P=NA	P=NA	P=NA	P=0.001N**
POLY 1.5	P=0.038N*	P=NA	P=NA	P=NA	P=NA	P=0.001N**
POLY 6	P=0.038N*	P=NA	P=NA	P=NA	P=NA	P=0.001N**
COCH-ARM / FISHERS	P=0.125N	P=0.000N**	P=0.091N	P=0.091N	P=0.015N*	P=0.005N**
MAX-ISO-POLY-3	P=0.000N**	P=0.000N**	(e)	(e)	P=0.000N**	P=0.000N**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						



Experiment Number: 93011-03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: p-tert-Butylcatechol  
 CAS Number: 98-29-3

Date Report Requested: 10/21/2014  
 Time Report Requested: 11:41:28  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Lung</b>						
<b>Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	2/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	20%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
FIRST INCIDENCE	---	---	---	---	---	92(T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.227
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.227
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.227
COCH-ARM / FISHERS	P=0.132	(e)	(e)	(e)	(e)	P=0.237
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.067
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: p-tert-Butylcatechol

CAS Number: 98-29-3

Date Report Requested: 10/21/2014

Time Report Requested: 11:41:28

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
LAST REMOVAL AT 14286 WEEKS

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
Lung: Alveolar Epith Hyperplasia						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: p-tert-Butylcatechol

CAS Number: 98-29-3

Date Report Requested: 10/21/2014

Time Report Requested: 11:41:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Lung: Alveolar Epith Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92(T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: p-tert-Butylcatechol

CAS Number: 98-29-3

Date Report Requested: 10/21/2014

Time Report Requested: 11:41:28

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
LAST REMOVAL AT 14286 WEEKS

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Ovary</b>						
<b>Cyst</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	92(T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: p-tert-Butylcatechol  
 CAS Number: 98-29-3

Date Report Requested: 10/21/2014  
 Time Report Requested: 11:41:28  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Stomach, Forestomach: Epithelium</b>						
<b>Hyperkeratosis</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	6/10 (60%)	7/10 (70%)	9/10 (90%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	6/10.00	7/10.00	9/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	60%	70%	90%	100%	100%
TERMINAL (d)	0/10 (0%)	6/10 (60%)	7/10 (70%)	9/10 (90%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	---	92(T)	92(T)	92(T)	92(T)	92(T)
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	P<0.001**	P=0.000**	P=0.000**	P=NA	P=NA
POLY 1.5	P=0.000**	P<0.001**	P=0.000**	P=0.000**	P=NA	P=NA
POLY 6	P=0.000**	P<0.001**	P=0.000**	P=0.000**	P=NA	P=NA
COCH-ARM / FISHERS	P=0.000**	P=0.005**	P=0.002**	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P=0.000**	P=0.000**	P=0.000**	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: p-tert-Butylcatechol  
 CAS Number: 98-29-3

Date Report Requested: 10/21/2014  
 Time Report Requested: 11:41:28  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
<b>Stomach, Forestomach: Epithelium</b>						
<b>Hyperplasia</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	5/10 (50%)	8/10 (80%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	5/10.00	8/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	50%	80%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	5/10 (50%)	8/10 (80%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	92(T)	92(T)	92(T)
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	(e)	(e)	P=0.008**	P=0.000**	P=NA
POLY 1.5	P=0.000**	(e)	(e)	P=0.008**	P=0.000**	P=NA
POLY 6	P=0.000**	(e)	(e)	P=0.008**	P=0.000**	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	P=0.016*	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	P<0.001**	P=0.000**	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

**Experiment Number:** 93011-03  
**Test Type:** 90-DAY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

**Test Compound:** p-tert-Butylcatechol  
**CAS Number:** 98-29-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 11:41:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**LEGEND**

- (a) Number of tumor-bearing animals/number of animals examined at site.
  - (b) Number of tumor-bearing animals/Poly-3 number
  - (d) Observed incidence at terminal kill.
  - (e) Value of statistic cannot be computed.
  - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
  - (g) Poly-3 adjusted lifetime tumor incidence.
  - (n) No statistics are calculated if all dose groups have fewer than two tumors.
  - (I) Interim sacrifice
  - (T) Terminal sacrifice
  - # Tumor rates based on numbers of animals necropsied.
  - \* To the right of any statistical result, indicates significance at ( $P \leq 0.05$ ).
  - \*\* To the right of any statistical result, indicates significance at ( $P \leq 0.01$ ).
  - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

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