

Experiment Number: 93011-04
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/19/2014
Time Report Requested: 03:08:33
First Dose M/F: NA / NA
Lab: BAT

C Number:	C93011B
Lock Date:	04/02/1997
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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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF P-TERT-BUTYLCATECHOL

MALE MOUSE

Organ

Stomach, Forestomach: Epithelium

FEMALE MOUSE

Organ

Stomach, Forestomach: Epithelium

Urinary Bladder

Morphology

Hyperkeratosis

Hyperplasia

Morphology

Hyperkeratosis

Hyperplasia

Inflammation Chronic

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
Adrenal Cortex						
Accessory Adrenal Cortical Nodule						
LESION RATES						
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)
STATISTICAL TESTS						
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: 93011-04
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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
Adrenal Cortex: Subcapsular Hyperplasia						
LESION RATES						
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)
STATISTICAL TESTS						
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: 93011-04
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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: p-tert-Butylcatechol
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 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
Intestine Large, Cecum						
Inflammation Chronic						
LESION RATES						
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	---	---	---	---	---	---
STATISTICAL TESTS						
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: 93011-04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/19/2014
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 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
Liver						
Inflammation Chronic						
LESION RATES						
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)	---	---	---	---	---
STATISTICAL TESTS						
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: 93011-04
 Test Type: 90-DAY
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 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/19/2014
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 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
Preputial Gland						
Cyst						
LESION RATES						
OVERALL(a)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	6/10 (60%)
POLY-3 RATE (b)	5/10.00	0/0.00	0/0.00	0/0.00	0/0.00	6/10.00
POLY-3 PERCENT (g)	50%	0%	0%	0%	0%	60%
TERMINAL (d)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	6/10 (60%)
FIRST INCIDENCE	92(T)	---	---	---	---	92(T)
STATISTICAL TESTS						
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=0.411	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.334
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
Stomach, Forestomach: Epithelium						
Hyperkeratosis						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	3/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	30%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)
FIRST INCIDENCE	---	---	---	---	---	92(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	(e)	(e)	P=0.095
POLY 1.5	P=0.000**	(e)	(e)	(e)	(e)	P=0.095
POLY 6	P=0.000**	(e)	(e)	(e)	(e)	P=0.095
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.105
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	P=0.025*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
Stomach, Forestomach: Epithelium						
Hyperplasia						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)	3/10 (30%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	3/10.00	3/10.00	6/10.00
POLY-3 PERCENT (g)	0%	0%	0%	30%	30%	60%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)	3/10 (30%)	6/10 (60%)
FIRST INCIDENCE	---	---	---	92(T)	92(T)	92(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	P=0.095	P=0.095	P<0.001**
POLY 1.5	P=0.000**	(e)	(e)	P=0.095	P=0.095	P<0.001**
POLY 6	P=0.000**	(e)	(e)	P=0.095	P=0.095	P<0.001**
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	P=0.105	P=0.105	P=0.005**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	P=0.025*	P=0.025*	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/19/2014
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 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
Urinary Bladder						
Inflammation Chronic						
LESION RATES						
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	---	---	---	---	---	---
STATISTICAL TESTS						
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: 93011-04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/19/2014
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 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
Urinary Bladder: Transit Epithe Hyperplasia						
LESION RATES						
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)	---	---	---	---	---
STATISTICAL TESTS						
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						

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 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
Adrenal Cortex						
Accessory Adrenal Cortical Nodule						
LESION RATES						
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	---	---	---	---	---	---
STATISTICAL TESTS						
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: 93011-04
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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
Adrenal Cortex: Subcapsular Hyperplasia						
LESION RATES						
OVERALL(a)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	5/10 (50%)
POLY-3 RATE (b)	5/10.00	0/0.00	0/0.00	0/0.00	0/0.00	5/10.00
POLY-3 PERCENT (g)	50%	0%	0%	0%	0%	50%
TERMINAL (d)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	5/10 (50%)
FIRST INCIDENCE	92(T)	---	---	---	---	92(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.664
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.664
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.664
COCH-ARM / FISHERS	P=0.588	(e)	(e)	(e)	(e)	P=0.672N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=1.000
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
Intestine Large, Cecum Inflammation Chronic						
LESION RATES						
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)
STATISTICAL TESTS						
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: 93011-04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/19/2014
 Time Report Requested: 03:08:33
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
Liver						
Inflammation Chronic						
LESION RATES						
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)	---	---	---	---	---
STATISTICAL TESTS						
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: 93011-04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/19/2014
 Time Report Requested: 03:08:33
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
Stomach, Forestomach: Epithelium						
Hyperkeratosis						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	2/10 (20%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/9.00	0/10.00	2/10.00	6/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	20%	60%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	2/10 (20%)	6/10 (60%)
FIRST INCIDENCE	---	---	---	---	92(T)	92(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	(e)	P=0.227	P<0.001**
POLY 1.5	P=0.000**	(e)	(e)	(e)	P=0.227	P<0.001**
POLY 6	P=0.000**	(e)	(e)	(e)	P=0.227	P<0.001**
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	P=0.237	P=0.005**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	P=0.067	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/19/2014
 Time Report Requested: 03:08:33
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
Stomach, Forestomach: Epithelium						
Hyperplasia						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/9 (0%)	2/10 (20%)	4/10 (40%)	7/10 (70%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/9.00	2/10.00	4/10.00	7/10.00
POLY-3 PERCENT (g)	0%	0%	0%	20%	40%	70%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/9 (0%)	2/10 (20%)	4/10 (40%)	7/10 (70%)
FIRST INCIDENCE	---	---	---	92(T)	92(T)	92(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	P=0.227	P=0.033*	P=0.000**
POLY 1.5	P=0.000**	(e)	(e)	P=0.227	P=0.033*	P=0.000**
POLY 6	P=0.000**	(e)	(e)	P=0.227	P=0.033*	P=0.000**
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	P=0.237	P=0.043*	P=0.002**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	P=0.067	P=0.007**	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93011-04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/19/2014
 Time Report Requested: 03:08:33
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
Urinary Bladder						
Inflammation Chronic						
LESION RATES						
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)	---	---	---	---	---
STATISTICAL TESTS						
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: 93011-04
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/19/2014
 Time Report Requested: 03:08:33
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 PPM	781 PPM	1562 PPM	3125 PPM	6250 PPM	12,500 PPM
Urinary Bladder: Transit Epithe Hyperplasia						
LESION RATES						
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	---	---	---	---	---	---
STATISTICAL TESTS						
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: 93011-04
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/19/2014
Time Report Requested: 03:08:33
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 ****