

Experiment Number: 20006 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 04/16/2013
Time Report Requested: 09:53:55
First Dose M/F: 03/14/07 / 03/15/07
Lab: BAT

F1_HSD

NTP Study Number: C20006B
Lock Date: 06/21/2010
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.1.1_001
PWG Approval Date: NONE

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HISTORICAL CONTROL STUDIES

From May 2011 report

SAME ROUTE

20304-01 -- TEF evaluation (PCB 118) (GAVAGE CORN OIL)

88148-06 -- 3,3',4,4'-Tetrachloroazobenzene (GAVAGE CORN OIL)

ALL ROUTES

20304-01 -- TEF evaluation (PCB 118) (GAVAGE CORN OIL)

88148-06 -- 3,3',4,4'-Tetrachloroazobenzene (GAVAGE CORN OIL)

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**FOR ALL DOSES THE TUMOR RATES IN THE FOLLOWING TISSUES/ORGANS ARE BASED ON NUMBER OF TISSUES EXAMINED.
IN OTHER TISSUES/ORGANS RATES ARE BASED ON THE NUMBER OF ANIMALS NECROPSIED.**

Adrenal Medulla
Heart
Islets, Pancreatic
Kidney
Liver
Pancreas
Pituitary Gland
Testes
Thyroid Gland

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF INDOLE-3-CARBINOL

MALE RATS

Organ

Skin

Thyroid Gland: C-Cell

FEMALE RATS

Organ

Mammary Gland

Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)

Oral Mucosa

Pituitary Gland: Pars Distalis or Unspecified Site

Skin

Thyroid Gland: C-Cell

Uterus

All Organs

Morphology

Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma

Keratoacanthoma

Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma

Squamous Cell Papilloma, Papilloma, or Keratoacanthoma

Adenoma

Carcinoma or Adenoma

Morphology

Adenoma

Carcinoma

Fibroadenoma

Squamous Cell Carcinoma

Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma

Squamous Cell Carcinoma

Adenoma

Carcinoma or Adenoma

Fibroma

Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma

Adenoma

Carcinoma or Adenoma

Carcinoma

Benign Tumors

Malignant and Benign Tumors

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Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Adrenal Medulla				
Pheochromocytoma Benign				
<hr/>				
TUMOR RATES				
OVERALL (a)	5/50 (10%)	5/49 (10%)	5/50 (10%)	4/50 (8%)
POLY-3 RATE (b)	5/38.58	5/33.95	5/36.98	4/34.14
POLY-3 PERCENT (g)	13%	14.7%	13.5%	11.7%
TERMINAL (d)	3/20 (15%)	2/13 (15%)	2/17 (12%)	3/12 (25%)
FIRST INCIDENCE	645	571	593	621
HC TUMORS SAME ROUTE	5/50 (10%)			
HC TUMORS ALL ROUTES	5/50 (10%)			
<hr/>				
STATISTICAL TESTS				
POLY 3	P=0.479N	P=0.549	P=0.605	P=0.577N
POLY 1.5	P=0.449N	P=0.583	P=0.624	P=0.542N
POLY 6	P=0.526N	P=0.496	P=0.577	P=0.628N
COCH-ARM / FISHERS	P=0.415N	P=0.617	P=0.630N	P=0.500N
MAX-ISO-POLY-3	P=0.627N	P=0.417	P=0.471	P=0.438N
HISTCONT SAME RTE	P=0.456	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.456	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.910			
CURR VS HC ALL RTES	P=0.910			

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Test Type: CHRONIC

Route: GAVAGE

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First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Adrenal Medulla				
Pheochromocytoma Malignant				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	1/49 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/38.57	1/33.07	1/36.66	0/33.77
POLY-3 PERCENT (g)	5.2%	3%	2.7%	0%
TERMINAL (d)	1/20 (5%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	634	648	657	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.163N	P=0.554N	P=0.518N	P=0.267N
POLY 1.5	P=0.158N	P=0.531N	P=0.506N	P=0.253N
POLY 6	P=0.171N	P=0.588N	P=0.536N	P=0.289N
COCH-ARM / FISHERS	P=0.152N	P=0.508N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.168N	P=0.336N	P=0.299N	P=0.104N
HISTCONT SAME RTE	P=0.358	P=0.461	P=0.478	(e)
HISTCONT ALL RTES	P=0.358	P=0.461	P=0.478	(e)
CURR VS HC SAME RTE	P=0.084			
CURR VS HC ALL RTES	P=0.084			

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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Adrenal Medulla				
Pheochromocytoma: Benign, Complex, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	8/50 (16%)	6/49 (12%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	8/39.08	6/34.25	6/37.24	4/34.14
POLY-3 PERCENT (g)	20.5%	17.5%	16.1%	11.7%
TERMINAL (d)	4/20 (20%)	2/13 (15%)	2/17 (12%)	3/12 (25%)
FIRST INCIDENCE	634	571	593	621
HC TUMORS SAME ROUTE	5/50 (10%)			
HC TUMORS ALL ROUTES	5/50 (10%)			
STATISTICAL TESTS				
POLY 3	P=0.190N	P=0.491N	P=0.422N	P=0.243N
POLY 1.5	P=0.170N	P=0.446N	P=0.397N	P=0.211N
POLY 6	P=0.228N	P=0.559N	P=0.461N	P=0.298N
COCH-ARM / FISHERS	P=0.149N	P=0.403N	P=0.387N	P=0.178N
MAX-ISO-POLY-3	P=0.276N	P=0.379N	P=0.315N	P=0.171N
HISTCONT SAME RTE	P=0.395	P=0.309	P=0.362	P=1.000
HISTCONT ALL RTES	P=0.395	P=0.309	P=0.362	P=1.000
CURR VS HC SAME RTE	P=0.315			
CURR VS HC ALL RTES	P=0.315			

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Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Heart				
Schwannoma Malignant				
<hr/>				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/38.24	1/33.59	0/36.40	0/33.77
POLY-3 PERCENT (g)	2.6%	3%	0%	0%
TERMINAL (d)	1/20 (5%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	727 (T)	692	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Islets, Pancreatic Adenoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/38.28	1/33.78	1/36.40	0/33.77
POLY-3 PERCENT (g)	5.2%	3%	2.8%	0%
TERMINAL (d)	1/20 (5%)	0/13 (0%)	1/17 (6%)	0/12 (0%)
FIRST INCIDENCE	716	637	727 (T)	---
HC TUMORS SAME ROUTE	2/50 (4%)			
HC TUMORS ALL ROUTES	2/50 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.162N	P=0.544N	P=0.518N	P=0.265N
POLY 1.5	P=0.158N	P=0.522N	P=0.506N	P=0.252N
POLY 6	P=0.170N	P=0.577N	P=0.536N	P=0.285N
COCH-ARM / FISHERS	P=0.153N	P=0.500N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.164N	P=0.327N	P=0.299N	P=0.102N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.843			
CURR VS HC ALL RTES	P=0.843			

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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Islets, Pancreatic Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/38.28	1/33.78	1/36.40	0/33.77
POLY-3 PERCENT (g)	5.2%	3%	2.8%	0%
TERMINAL (d)	1/20 (5%)	0/13 (0%)	1/17 (6%)	0/12 (0%)
FIRST INCIDENCE	716	637	727 (T)	---
HC TUMORS SAME ROUTE	2/50 (4%)			
HC TUMORS ALL ROUTES	2/50 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.162N	P=0.544N	P=0.518N	P=0.265N
POLY 1.5	P=0.158N	P=0.522N	P=0.506N	P=0.252N
POLY 6	P=0.170N	P=0.577N	P=0.536N	P=0.285N
COCH-ARM / FISHERS	P=0.153N	P=0.500N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.164N	P=0.327N	P=0.299N	P=0.102N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.843			
CURR VS HC ALL RTES	P=0.843			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Kidney: Renal Tubule Adenoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/38.36	0/33.45	0/36.40	1/33.83
POLY-3 PERCENT (g)	2.6%	0%	0%	3%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	695	---	---	712
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Liver				
Hepatocellular Adenoma				
<hr/>				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/38.46	0/33.45	0/36.40	0/33.77
POLY-3 PERCENT (g)	2.6%	0%	0%	0%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	669	---	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Liver				
Hepatocellular Carcinoma or Hepatocellular Adenoma				
<hr/>				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/38.46	0/33.45	0/36.40	1/33.97
POLY-3 PERCENT (g)	2.6%	0%	0%	2.9%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	669	---	---	673
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Liver				
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma				
<hr/>				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/38.46	0/33.45	0/36.40	1/33.97
POLY-3 PERCENT (g)	2.6%	0%	0%	2.9%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	669	---	---	673
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

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Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Mammary Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/38.24	0/33.45	0/36.40	0/33.77
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Mammary Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/38.24	0/33.45	0/36.40	0/33.77
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Mammary Gland Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/38.24	0/33.45	0/36.40	0/33.77
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Mammary Gland Fibroadenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/38.83	1/34.31	1/37.10	0/33.77
POLY-3 PERCENT (g)	2.6%	2.9%	2.7%	0%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	539	382	482	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 04/16/2013
 Time Report Requested: 09:53:55
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Mammary Gland Fibroma, Fibroadenoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/38.83	1/34.31	1/37.10	0/33.77
POLY-3 PERCENT (g)	2.6%	2.9%	2.7%	0%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	539	382	482	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Mammary Gland				
Fibroma, Fibroadenoma, Carcinoma, or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/38.83	1/34.31	1/37.10	0/33.77
POLY-3 PERCENT (g)	2.6%	2.9%	2.7%	0%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	539	382	482	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)				
Squamous Cell Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/38.27	0/33.45	1/36.91	1/34.45
POLY-3 PERCENT (g)	2.6%	0%	2.7%	2.9%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	720	---	570	498
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	1/50 (2%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva) Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/38.27	0/33.45	1/36.91	2/34.45
POLY-3 PERCENT (g)	2.6%	0%	2.7%	5.8%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	1/12 (8%)
FIRST INCIDENCE	720	---	570	498
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	1/50 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.239	P=0.527N	P=0.753	P=0.463
POLY 1.5	P=0.243	P=0.513N	P=0.759	P=0.480
POLY 6	P=0.232	P=0.548N	P=0.745	P=0.439
COCH-ARM / FISHERS	P=0.247	P=0.500N	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.222	P=0.190N	P=0.489	P=0.259
HISTCONT SAME RTE	P=0.157	P=1.000	P=1.000	P=0.418
HISTCONT ALL RTES	P=0.157	P=1.000	P=1.000	P=0.418
CURR VS HC SAME RTE	P=0.753			
CURR VS HC ALL RTES	P=0.753			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Oral Mucosa				
Squamous Cell Carcinoma				
<hr/>				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/38.27	0/33.45	1/36.91	1/34.45
POLY-3 PERCENT (g)	2.6%	0%	2.7%	2.9%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	720	---	570	498
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	1/50 (2%)			
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Pancreas				
Adenoma				
<hr/>				
TUMOR RATES				
OVERALL (a)	5/50 (10%)	4/50 (8%)	4/50 (8%)	5/49 (10%)
POLY-3 RATE (b)	5/38.45	4/33.96	4/36.85	5/33.81
POLY-3 PERCENT (g)	13%	11.8%	10.9%	14.8%
TERMINAL (d)	3/20 (15%)	2/13 (15%)	2/17 (12%)	3/12 (25%)
FIRST INCIDENCE	685	648	624	710
HC TUMORS SAME ROUTE	9/50 (18%)			
HC TUMORS ALL ROUTES	9/50 (18%)			
<hr/>				
STATISTICAL TESTS				
POLY 3	P=0.474	P=0.579N	P=0.527N	P=0.549
POLY 1.5	P=0.498	P=0.539N	P=0.508N	P=0.584
POLY 6	P=0.431	P=0.638N	P=0.556N	P=0.493
COCH-ARM / FISHERS	P=0.520	P=0.500N	P=0.500N	P=0.617
MAX-ISO-POLY-3	P=0.571	P=0.439N	P=0.387N	P=0.416
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.306			
CURR VS HC ALL RTES	P=0.306			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Pancreas				
Carcinoma or Adenoma				
<hr/>				
TUMOR RATES				
OVERALL (a)	5/50 (10%)	4/50 (8%)	4/50 (8%)	6/49 (12%)
POLY-3 RATE (b)	5/38.45	4/33.96	4/36.85	6/34.28
POLY-3 PERCENT (g)	13%	11.8%	10.9%	17.5%
TERMINAL (d)	3/20 (15%)	2/13 (15%)	2/17 (12%)	3/12 (25%)
FIRST INCIDENCE	685	648	624	589
HC TUMORS SAME ROUTE	9/50 (18%)			
HC TUMORS ALL ROUTES	9/50 (18%)			
<hr/>				
STATISTICAL TESTS				
POLY 3	P=0.337	P=0.579N	P=0.527N	P=0.418
POLY 1.5	P=0.357	P=0.539N	P=0.508N	P=0.452
POLY 6	P=0.304	P=0.638N	P=0.556N	P=0.367
COCH-ARM / FISHERS	P=0.374	P=0.500N	P=0.500N	P=0.486
MAX-ISO-POLY-3	P=0.402	P=0.439N	P=0.387N	P=0.305
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.306			
CURR VS HC ALL RTES	P=0.306			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg

Pituitary Gland: Pars Distalis or Unspecified Site Adenoma

TUMOR RATES

OVERALL (a)	5/50 (10%)	8/49 (16%)	9/50 (18%)	8/47 (17%)
POLY-3 RATE (b)	5/38.84	8/34.33	9/38.46	8/34.29
POLY-3 PERCENT (g)	12.9%	23.3%	23.4%	23.3%
TERMINAL (d)	2/20 (10%)	3/13 (23%)	1/17 (6%)	1/12 (8%)
FIRST INCIDENCE	645	617	503	589
HC TUMORS SAME ROUTE	13/50 (26%)			
HC TUMORS ALL ROUTES	13/50 (26%)			

STATISTICAL TESTS

POLY 3	P=0.191	P=0.193	P=0.180	P=0.193
POLY 1.5	P=0.206	P=0.227	P=0.192	P=0.209
POLY 6	P=0.178	P=0.147	P=0.165	P=0.177
COCH-ARM / FISHERS	P=0.232	P=0.264	P=0.194	P=0.237
MAX-ISO-POLY-3	P=0.226	P=0.132	P=0.113	P=0.130
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.061			
CURR VS HC ALL RTES	P=0.061			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg

**Pituitary Gland: Pars Distalis or Unspecified Site
Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	5/50 (10%)	9/49 (18%)	9/50 (18%)	8/47 (17%)
POLY-3 RATE (b)	5/38.84	9/34.72	9/38.46	8/34.29
POLY-3 PERCENT (g)	12.9%	25.9%	23.4%	23.3%
TERMINAL (d)	2/20 (10%)	3/13 (23%)	1/17 (6%)	1/12 (8%)
FIRST INCIDENCE	645	614	503	589
HC TUMORS SAME ROUTE	13/50 (26%)			
HC TUMORS ALL ROUTES	13/50 (26%)			

STATISTICAL TESTS

POLY 3	P=0.218	P=0.127	P=0.180	P=0.193
POLY 1.5	P=0.236	P=0.153	P=0.192	P=0.209
POLY 6	P=0.201	P=0.094	P=0.165	P=0.177
COCH-ARM / FISHERS	P=0.265	P=0.183	P=0.194	P=0.237
MAX-ISO-POLY-3	P=0.200	P=0.085	P=0.113	P=0.130
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.061			
CURR VS HC ALL RTES	P=0.061			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	6/50 (12%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	6/38.84	1/33.78	2/36.76	1/34.12
POLY-3 PERCENT (g)	15.5%	3%	5.4%	2.9%
TERMINAL (d)	3/20 (15%)	0/13 (0%)	1/17 (6%)	0/12 (0%)
FIRST INCIDENCE	645	637	624	629
HC TUMORS SAME ROUTE	3/50 (6%)			
HC TUMORS ALL ROUTES	3/50 (6%)			
STATISTICAL TESTS				
POLY 3	P=0.048N*	P=0.079N	P=0.147N	P=0.077N
POLY 1.5	P=0.048N*	P=0.066N	P=0.137N	P=0.067N
POLY 6	P=0.049N*	P=0.103N	P=0.166N	P=0.095N
COCH-ARM / FISHERS	P=0.050N*	P=0.056N	P=0.134N	P=0.056N
MAX-ISO-POLY-3	P=0.034N*	P=0.044N*	P=0.083N	P=0.042N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.262			
CURR VS HC ALL RTES	P=0.262			

Experiment Number: 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 04/16/2013
 Time Report Requested: 09:53:55
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Fibroma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/50 (10%)	2/50 (4%)	5/50 (10%)	2/50 (4%)
POLY-3 RATE (b)	5/39.65	2/34.23	5/37.46	2/34.99
POLY-3 PERCENT (g)	12.6%	5.8%	13.4%	5.7%
TERMINAL (d)	1/20 (5%)	0/13 (0%)	3/17 (18%)	0/12 (0%)
FIRST INCIDENCE	575	597	500	401
HC TUMORS SAME ROUTE	5/50 (10%)			
HC TUMORS ALL ROUTES	5/50 (10%)			
STATISTICAL TESTS				
POLY 3	P=0.286N	P=0.278N	P=0.596	P=0.267N
POLY 1.5	P=0.271N	P=0.246N	P=0.620	P=0.242N
POLY 6	P=0.317N	P=0.331N	P=0.557	P=0.309N
COCH-ARM / FISHERS	P=0.256N	P=0.218N	P=0.630N	P=0.218N
MAX-ISO-POLY-3	P=0.271N	P=0.178N	P=0.462	P=0.169N
HISTCONT SAME RTE	P=0.719	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.719	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.938			
CURR VS HC ALL RTES	P=0.938			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	7/50 (14%)	6/50 (12%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	7/41.44	6/36.60	6/38.26	4/36.20
POLY-3 PERCENT (g)	16.9%	16.4%	15.7%	11.1%
TERMINAL (d)	1/20 (5%)	1/13 (8%)	3/17 (18%)	0/12 (0%)
FIRST INCIDENCE	197	382	423	258
HC TUMORS SAME ROUTE	5/50 (10%)			
HC TUMORS ALL ROUTES	5/50 (10%)			
STATISTICAL TESTS				
POLY 3	P=0.275N	P=0.597N	P=0.562N	P=0.341N
POLY 1.5	P=0.247N	P=0.552N	P=0.529N	P=0.305N
POLY 6	P=0.321N	P=0.574	P=0.610N	P=0.397N
COCH-ARM / FISHERS	P=0.216N	P=0.500N	P=0.500N	P=0.262N
MAX-ISO-POLY-3	P=0.401N	P=0.477N	P=0.442N	P=0.246N
HISTCONT SAME RTE	P=0.447	P=0.347	P=0.387	P=1.000
HISTCONT ALL RTES	P=0.447	P=0.347	P=0.387	P=1.000
CURR VS HC SAME RTE	P=0.545			
CURR VS HC ALL RTES	P=0.545			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Fibrosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/39.04	2/34.97	1/37.20	1/34.02
POLY-3 PERCENT (g)	2.6%	5.7%	2.7%	2.9%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	421	448	423	661
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.568N	P=0.461	P=0.751	P=0.730
POLY 1.5	P=0.551N	P=0.481	P=0.758	P=0.743
POLY 6	P=0.592N	P=0.430	P=0.740	P=0.711
COCH-ARM / FISHERS	P=0.531N	P=0.500	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.613N	P=0.259	P=0.486	P=0.462
HISTCONT SAME RTE	P=0.241	P=0.296	P=0.480	P=0.465
HISTCONT ALL RTES	P=0.241	P=0.296	P=0.480	P=0.465
CURR VS HC SAME RTE	P=0.209			
CURR VS HC ALL RTES	P=0.209			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	4/50 (8%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	2/40.02	4/35.83	1/37.20	2/34.97
POLY-3 PERCENT (g)	5%	11.2%	2.7%	5.7%
TERMINAL (d)	0/20 (0%)	1/13 (8%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	197	382	423	258
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.485N	P=0.286	P=0.526N	P=0.645
POLY 1.5	P=0.461N	P=0.310	P=0.512N	P=0.666
POLY 6	P=0.518N	P=0.249	P=0.544N	P=0.616
COCH-ARM / FISHERS	P=0.431N	P=0.339	P=0.500N	P=0.691N
MAX-ISO-POLY-3	P=0.421N	P=0.174	P=0.307N	P=0.447
HISTCONT SAME RTE	P=0.297	P=0.220	P=0.480	P=0.296
HISTCONT ALL RTES	P=0.297	P=0.220	P=0.480	P=0.296
CURR VS HC SAME RTE	P=0.107			
CURR VS HC ALL RTES	P=0.107			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	4/50 (8%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	4/38.53	0/33.45	0/36.40	0/33.77
POLY-3 PERCENT (g)	10.4%	0%	0%	0%
TERMINAL (d)	2/20 (10%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	685	---	---	---
HC TUMORS SAME ROUTE	2/50 (4%)			
HC TUMORS ALL ROUTES	2/50 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.015N*	P=0.079N	P=0.066N	P=0.077N
POLY 1.5	P=0.016N*	P=0.069N	P=0.062N	P=0.069N
POLY 6	P=0.013N*	P=0.098N	P=0.074N	P=0.092N
COCH-ARM / FISHERS	P=0.020N*	P=0.059N	P=0.059N	P=0.059N
MAX-ISO-POLY-3	P=0.008N**	P=0.035N*	P=0.025N*	P=0.034N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.395			
CURR VS HC ALL RTEs	P=0.395			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/38.24	2/34.31	0/36.40	0/33.77
POLY-3 PERCENT (g)	0%	5.8%	0%	0%
TERMINAL (d)	0/20 (0%)	1/13 (8%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	---	382	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.441N	P=0.213	(e)	(e)
POLY 1.5	P=0.423N	P=0.225	(e)	(e)
POLY 6	P=0.469N	P=0.193	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.278N	P=0.075	(e)	(e)
HISTCONT SAME RTE	P=0.520	P=0.295	(e)	(e)
HISTCONT ALL RTES	P=0.520	P=0.295	(e)	(e)
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/38.54	1/33.78	1/36.76	0/33.77
POLY-3 PERCENT (g)	5.2%	3%	2.7%	0%
TERMINAL (d)	1/20 (5%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	645	637	624	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.163N	P=0.546N	P=0.517N	P=0.267N
POLY 1.5	P=0.158N	P=0.523N	P=0.505N	P=0.253N
POLY 6	P=0.171N	P=0.581N	P=0.533N	P=0.289N
COCH-ARM / FISHERS	P=0.153N	P=0.500N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.167N	P=0.329N	P=0.297N	P=0.104N
HISTCONT SAME RTE	P=0.358	P=0.464	P=0.478	(e)
HISTCONT ALL RTES	P=0.358	P=0.464	P=0.478	(e)
CURR VS HC SAME RTE	P=0.080			
CURR VS HC ALL RTES	P=0.080			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/50 (10%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	5/38.53	0/33.45	2/36.76	1/34.12
POLY-3 PERCENT (g)	13%	0%	5.4%	2.9%
TERMINAL (d)	3/20 (15%)	0/13 (0%)	1/17 (6%)	0/12 (0%)
FIRST INCIDENCE	685	---	624	629
HC TUMORS SAME ROUTE	2/50 (4%)			
HC TUMORS ALL ROUTES	2/50 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.104N	P=0.043N*	P=0.233N	P=0.129N
POLY 1.5	P=0.106N	P=0.036N*	P=0.220N	P=0.116N
POLY 6	P=0.102N	P=0.056N	P=0.252N	P=0.150N
COCH-ARM / FISHERS	P=0.111N	P=0.028N*	P=0.218N	P=0.102N
MAX-ISO-POLY-3	P=0.056N	P=0.020N*	P=0.135N	P=0.070N
HISTCONT SAME RTE	P=0.532	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.532	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.221			
CURR VS HC ALL RTES	P=0.221			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/50 (10%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	5/38.53	0/33.45	1/36.40	1/34.12
POLY-3 PERCENT (g)	13%	0%	2.8%	2.9%
TERMINAL (d)	3/20 (15%)	0/13 (0%)	1/17 (6%)	0/12 (0%)
FIRST INCIDENCE	685	---	727 (T)	629
HC TUMORS SAME ROUTE	2/50 (4%)			
HC TUMORS ALL ROUTES	2/50 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.075N	P=0.043N*	P=0.112N	P=0.129N
POLY 1.5	P=0.079N	P=0.036N*	P=0.104N	P=0.116N
POLY 6	P=0.072N	P=0.056N	P=0.126N	P=0.150N
COCH-ARM / FISHERS	P=0.086N	P=0.028N*	P=0.102N	P=0.102N
MAX-ISO-POLY-3	P=0.027N*	P=0.020N*	P=0.054N	P=0.070N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.221			
CURR VS HC ALL RTES	P=0.221			

Experiment Number: 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 04/16/2013
 Time Report Requested: 09:53:55
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Stomach, Forestomach Squamous Cell Carcinoma or Papilloma Squamous				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/38.24	0/33.45	2/36.76	0/33.77
POLY-3 PERCENT (g)	2.6%	0%	5.4%	0%
TERMINAL (d)	1/20 (5%)	0/13 (0%)	1/17 (6%)	0/12 (0%)
FIRST INCIDENCE	727 (T)	---	624	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.480N	P=0.527N	P=0.486	P=0.525N
POLY 1.5	P=0.472N	P=0.513N	P=0.496	P=0.514N
POLY 6	P=0.494N	P=0.547N	P=0.472	P=0.541N
COCH-ARM / FISHERS	P=0.461N	P=0.500N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.357N	P=0.190N	P=0.272	P=0.188N
HISTCONT SAME RTE	P=0.395	(e)	P=0.299	(e)
HISTCONT ALL RTES	P=0.395	(e)	P=0.299	(e)
CURR VS HC SAME RTE	P=0.171			
CURR VS HC ALL RTES	P=0.171			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Testes				
Adenoma				
TUMOR RATES				
OVERALL (a)	3/49 (6%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	3/37.76	2/33.67	2/37.28	2/34.38
POLY-3 PERCENT (g)	7.9%	5.9%	5.4%	5.8%
TERMINAL (d)	1/20 (5%)	1/13 (8%)	0/17 (0%)	1/12 (8%)
FIRST INCIDENCE	635	671	570	532
HC TUMORS SAME ROUTE	2/50 (4%)			
HC TUMORS ALL ROUTES	2/50 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.446N	P=0.553N	P=0.506N	P=0.543N
POLY 1.5	P=0.436N	P=0.521N	P=0.494N	P=0.519N
POLY 6	P=0.464N	P=0.601N	P=0.525N	P=0.579N
COCH-ARM / FISHERS	P=0.424N	P=0.490N	P=0.490N	P=0.490N
MAX-ISO-POLY-3	P=0.549N	P=0.377N	P=0.329N	P=0.367N
HISTCONT SAME RTE	P=0.166	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.166	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.591			
CURR VS HC ALL RTES	P=0.591			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Thyroid Gland: C-Cell Adenoma				
TUMOR RATES				
OVERALL (a)	13/50 (26%)	9/46 (20%)	9/48 (19%)	4/47 (9%)
POLY-3 RATE (b)	13/40.01	9/32.79	9/37.13	4/33.24
POLY-3 PERCENT (g)	32.5%	27.5%	24.2%	12%
TERMINAL (d)	7/20 (35%)	4/13 (31%)	3/17 (18%)	2/12 (17%)
FIRST INCIDENCE	421	456	503	519
HC TUMORS SAME ROUTE	13/50 (26%)			
HC TUMORS ALL ROUTES	13/50 (26%)			
STATISTICAL TESTS				
POLY 3	P=0.024N*	P=0.416N	P=0.289N	P=0.033N*
POLY 1.5	P=0.021N*	P=0.358N	P=0.270N	P=0.026N*
POLY 6	P=0.033N*	P=0.510N	P=0.316N	P=0.049N*
COCH-ARM / FISHERS	P=0.019N*	P=0.307N	P=0.269N	P=0.021N*
MAX-ISO-POLY-3	P=0.037N*	P=0.330N	P=0.215N	P=0.024N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.937			
CURR VS HC ALL RTES	P=0.937			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Thyroid Gland: C-Cell Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	13/50 (26%)	10/46 (22%)	10/48 (21%)	4/47 (9%)
POLY-3 RATE (b)	13/40.01	10/33.16	10/37.58	4/33.24
POLY-3 PERCENT (g)	32.5%	30.2%	26.6%	12%
TERMINAL (d)	7/20 (35%)	4/13 (31%)	3/17 (18%)	2/12 (17%)
FIRST INCIDENCE	421	456	503	519
HC TUMORS SAME ROUTE	13/50 (26%)			
HC TUMORS ALL ROUTES	13/50 (26%)			
STATISTICAL TESTS				
POLY 3	P=0.025N*	P=0.516N	P=0.373N	P=0.033N*
POLY 1.5	P=0.020N*	P=0.457N	P=0.356N	P=0.026N*
POLY 6	P=0.035N*	P=0.604N	P=0.397N	P=0.049N*
COCH-ARM / FISHERS	P=0.018N*	P=0.402N	P=0.358N	P=0.021N*
MAX-ISO-POLY-3	P=0.037N*	P=0.418N	P=0.287N	P=0.024N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.937			
CURR VS HC ALL RTES	P=0.937			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
All Organs				
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated				
<hr/>				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/38.24	0/33.45	0/36.40	0/33.77
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	1/50 (2%)			
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
All Organs				
Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	27/50 (54%)	23/50 (46%)	26/50 (52%)	25/50 (50%)
POLY-3 RATE (b)	27/42.37	23/39.59	26/41.71	25/40.17
POLY-3 PERCENT (g)	63.7%	58.1%	62.3%	62.2%
TERMINAL (d)	12/20 (60%)	6/13 (46%)	10/17 (59%)	8/12 (67%)
FIRST INCIDENCE	421	382	482	258
HC TUMORS SAME ROUTE	40/50 (80%)			
HC TUMORS ALL ROUTES	40/50 (80%)			
STATISTICAL TESTS				
POLY 3	P=0.544	P=0.378N	P=0.540N	P=0.537N
POLY 1.5	P=0.501N	P=0.315N	P=0.495N	P=0.472N
POLY 6	P=0.469	P=0.482N	P=0.587	P=0.564
COCH-ARM / FISHERS	P=0.471N	P=0.274N	P=0.500N	P=0.421N
MAX-ISO-POLY-3	P=0.613N	P=0.297N	P=0.444N	P=0.441N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.003**			
CURR VS HC ALL RTEs	P=0.003**			

Experiment Number: 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 04/16/2013
 Time Report Requested: 09:53:55
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	12/50 (24%)	15/50 (30%)	10/50 (20%)	12/50 (24%)
POLY-3 RATE (b)	12/41.02	15/40.48	10/39.64	12/39.03
POLY-3 PERCENT (g)	29.3%	37.1%	25.2%	30.8%
TERMINAL (d)	5/20 (25%)	2/13 (15%)	1/17 (6%)	2/12 (17%)
FIRST INCIDENCE	197	357	423	258
HC TUMORS SAME ROUTE	9/50 (18%)			
HC TUMORS ALL ROUTES	9/50 (18%)			
STATISTICAL TESTS				
POLY 3	P=0.480N	P=0.301	P=0.438N	P=0.540
POLY 1.5	P=0.456N	P=0.317	P=0.418N	P=0.562
POLY 6	P=0.513N	P=0.266	P=0.462N	P=0.505
COCH-ARM / FISHERS	P=0.423N	P=0.326	P=0.405N	P=0.592N
MAX-ISO-POLY-3	P=0.494N	P=0.225	P=0.343N	P=0.441
HISTCONT SAME RTE	P=0.255	P=0.192	P=0.317	P=0.223
HISTCONT ALL RTES	P=0.255	P=0.192	P=0.317	P=0.223
CURR VS HC SAME RTE	P=0.360			
CURR VS HC ALL RTES	P=0.360			

Experiment Number: 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 04/16/2013
 Time Report Requested: 09:53:55
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
All Organs				
Malignant and Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	33/50 (66%)	32/50 (64%)	31/50 (62%)	33/50 (66%)
POLY-3 RATE (b)	33/43.89	32/43.80	31/43.67	33/43.36
POLY-3 PERCENT (g)	75.2%	73.1%	71%	76.1%
TERMINAL (d)	14/20 (70%)	7/13 (54%)	11/17 (65%)	9/12 (75%)
FIRST INCIDENCE	197	357	423	258
HC TUMORS SAME ROUTE	44/50 (88%)			
HC TUMORS ALL ROUTES	44/50 (88%)			
STATISTICAL TESTS				
POLY 3	P=0.495	P=0.507N	P=0.414N	P=0.564
POLY 1.5	P=0.511	P=0.493N	P=0.395N	P=0.576
POLY 6	P=0.461	P=0.548N	P=0.464N	P=0.530
COCH-ARM / FISHERS	P=0.530	P=0.500N	P=0.418N	P=0.583N
MAX-ISO-POLY-3	P=0.576	P=0.402N	P=0.318N	P=0.457
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.024*			
CURR VS HC ALL RTES	P=0.024*			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Adrenal Medulla				
Pheochromocytoma Benign				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	0/48 (0%)
POLY-3 RATE (b)	0/36.47	2/36.82	2/35.86	0/40.12
POLY-3 PERCENT (g)	0%	5.4%	5.6%	0%
TERMINAL (d)	0/21 (0%)	1/19 (5%)	1/19 (5%)	0/30 (0%)
FIRST INCIDENCE	---	705	688	---
HC TUMORS SAME ROUTE	6/102 (6%)			
HC TUMORS ALL ROUTES	6/102 (6%)			
STATISTICAL TESTS				
POLY 3	P=0.450N	P=0.238	P=0.232	(e)
POLY 1.5	P=0.480N	P=0.236	P=0.232	(e)
POLY 6	P=0.413N	P=0.241	P=0.231	(e)
COCH-ARM / FISHERS	P=0.512N	P=0.247	P=0.247	(e)
MAX-ISO-POLY-3	P=0.273N	P=0.077	P=0.075	(e)
HISTCONT SAME RTE	(h)	(h)	(h)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(e)
CURR VS HC SAME RTE	P=0.047*			
CURR VS HC ALL RTES	P=0.047*			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Adrenal Medulla				
Pheochromocytoma Malignant				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/36.47	0/36.72	0/35.70	0/40.12
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/102 (0%)			
HC TUMORS ALL ROUTES	0/102 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg

Adrenal Medulla
Pheochromocytoma: Benign, Complex, Malignant, NOS

TUMOR RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	0/48 (0%)
POLY-3 RATE (b)	0/36.47	2/36.82	2/35.86	0/40.12
POLY-3 PERCENT (g)	0%	5.4%	5.6%	0%
TERMINAL (d)	0/21 (0%)	1/19 (5%)	1/19 (5%)	0/30 (0%)
FIRST INCIDENCE	---	705	688	---
HC TUMORS SAME ROUTE	6/102 (6%)			
HC TUMORS ALL ROUTES	6/102 (6%)			

STATISTICAL TESTS

POLY 3	P=0.450N	P=0.238	P=0.232	(e)
POLY 1.5	P=0.480N	P=0.236	P=0.232	(e)
POLY 6	P=0.413N	P=0.241	P=0.231	(e)
COCH-ARM / FISHERS	P=0.512N	P=0.247	P=0.247	(e)
MAX-ISO-POLY-3	P=0.273N	P=0.077	P=0.075	(e)
HISTCONT SAME RTE	(h)	(h)	(h)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(e)
CURR VS HC SAME RTE	P=0.047*			
CURR VS HC ALL RTES	P=0.047*			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Heart				
Schwannoma Malignant				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/36.47	2/36.82	0/35.70	0/40.14
POLY-3 PERCENT (g)	0%	5.4%	0%	0%
TERMINAL (d)	0/21 (0%)	1/19 (5%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	705	---	---
HC TUMORS SAME ROUTE	0/102 (0%)			
HC TUMORS ALL ROUTES	0/102 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.388N	P=0.238	(e)	(e)
POLY 1.5	P=0.401N	P=0.236	(e)	(e)
POLY 6	P=0.371N	P=0.241	(e)	(e)
COCH-ARM / FISHERS	P=0.409N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.253N	P=0.077	(e)	(e)
HISTCONT SAME RTE	P=0.432	P=0.152	(e)	(e)
HISTCONT ALL RTES	P=0.432	P=0.152	(e)	(e)
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Islets, Pancreatic Adenoma				
<hr/>				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/36.47	1/36.72	0/35.70	0/40.16
POLY-3 PERCENT (g)	0%	2.7%	0%	0%
TERMINAL (d)	0/21 (0%)	1/19 (5%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
HC TUMORS SAME ROUTE	0/102 (0%)			
HC TUMORS ALL ROUTES	0/102 (0%)			
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Islets, Pancreatic Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/36.47	1/36.72	1/35.70	0/40.16
POLY-3 PERCENT (g)	0%	2.7%	2.8%	0%
TERMINAL (d)	0/21 (0%)	1/19 (5%)	1/19 (5%)	0/30 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
HC TUMORS SAME ROUTE	0/102 (0%)			
HC TUMORS ALL ROUTES	0/102 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Kidney: Renal Tubule Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/48 (0%)
POLY-3 RATE (b)	0/36.47	0/36.72	2/37.03	0/40.12
POLY-3 PERCENT (g)	0%	0%	5.4%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	307	---
HC TUMORS SAME ROUTE	0/102 (0%)			
HC TUMORS ALL ROUTES	0/102 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.661	(e)	P=0.240	(e)
POLY 1.5	P=0.628	(e)	P=0.237	(e)
POLY 6	P=0.698	(e)	P=0.240	(e)
COCH-ARM / FISHERS	P=0.587	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.275	(e)	P=0.078	(e)
HISTCONT SAME RTE	P=0.291	(e)	P=0.152	(e)
HISTCONT ALL RTES	P=0.291	(e)	P=0.152	(e)
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 04/16/2013
 Time Report Requested: 09:53:55
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Liver				
Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	4/50 (8%)	0/48 (0%)
POLY-3 RATE (b)	2/36.47	1/36.72	4/36.46	0/40.12
POLY-3 PERCENT (g)	5.5%	2.7%	11%	0%
TERMINAL (d)	2/21 (10%)	1/19 (5%)	2/19 (11%)	0/30 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	596	---
HC TUMORS SAME ROUTE	2/102 (2%)			
HC TUMORS ALL ROUTES	2/102 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.227N	P=0.498N	P=0.335	P=0.216N
POLY 1.5	P=0.256N	P=0.501N	P=0.331	P=0.230N
POLY 6	P=0.196N	P=0.493N	P=0.337	P=0.200N
COCH-ARM / FISHERS	P=0.292N	P=0.500N	P=0.339	P=0.258N
MAX-ISO-POLY-3	P=0.159N	P=0.278N	P=0.197	P=0.077N
HISTCONT SAME RTE	P=0.512	P=1.000	P=0.139	P=1.000
HISTCONT ALL RTES	P=0.512	P=1.000	P=0.139	P=1.000
CURR VS HC SAME RTE	P=0.568			
CURR VS HC ALL RTES	P=0.568			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Liver				
Hepatocellular Carcinoma or Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	4/50 (8%)	0/48 (0%)
POLY-3 RATE (b)	2/36.47	2/37.12	4/36.46	0/40.12
POLY-3 PERCENT (g)	5.5%	5.4%	11%	0%
TERMINAL (d)	2/21 (10%)	1/19 (5%)	2/19 (11%)	0/30 (0%)
FIRST INCIDENCE	729 (T)	616	596	---
HC TUMORS SAME ROUTE	2/102 (2%)			
HC TUMORS ALL ROUTES	2/102 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.184N	P=0.689N	P=0.335	P=0.216N
POLY 1.5	P=0.211N	P=0.694N	P=0.331	P=0.230N
POLY 6	P=0.155N	P=0.682N	P=0.337	P=0.200N
COCH-ARM / FISHERS	P=0.244N	P=0.691N	P=0.339	P=0.258N
MAX-ISO-POLY-3	P=0.136N	P=0.492N	P=0.197	P=0.077N
HISTCONT SAME RTE	P=0.507	P=0.415	P=0.139	P=1.000
HISTCONT ALL RTES	P=0.507	P=0.415	P=0.139	P=1.000
CURR VS HC SAME RTE	P=0.568			
CURR VS HC ALL RTES	P=0.568			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Liver				
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	4/50 (8%)	0/48 (0%)
POLY-3 RATE (b)	2/36.47	2/37.12	4/36.46	0/40.12
POLY-3 PERCENT (g)	5.5%	5.4%	11%	0%
TERMINAL (d)	2/21 (10%)	1/19 (5%)	2/19 (11%)	0/30 (0%)
FIRST INCIDENCE	729 (T)	616	596	---
HC TUMORS SAME ROUTE	2/102 (2%)			
HC TUMORS ALL ROUTES	2/102 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.184N	P=0.689N	P=0.335	P=0.216N
POLY 1.5	P=0.211N	P=0.694N	P=0.331	P=0.230N
POLY 6	P=0.155N	P=0.682N	P=0.337	P=0.200N
COCH-ARM / FISHERS	P=0.244N	P=0.691N	P=0.339	P=0.258N
MAX-ISO-POLY-3	P=0.136N	P=0.492N	P=0.197	P=0.077N
HISTCONT SAME RTE	P=0.507	P=0.415	P=0.139	P=1.000
HISTCONT ALL RTES	P=0.507	P=0.415	P=0.139	P=1.000
CURR VS HC SAME RTE	P=0.568			
CURR VS HC ALL RTES	P=0.568			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Mammary Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/50 (6%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	3/36.70	1/37.03	0/35.70	2/40.16
POLY-3 PERCENT (g)	8.2%	2.7%	0%	5%
TERMINAL (d)	1/21 (5%)	0/19 (0%)	0/19 (0%)	2/30 (7%)
FIRST INCIDENCE	681	645	---	729 (T)
HC TUMORS SAME ROUTE	1/102 (1%)			
HC TUMORS ALL ROUTES	1/102 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.436N	P=0.301N	P=0.122N	P=0.459N
POLY 1.5	P=0.442N	P=0.305N	P=0.122N	P=0.485N
POLY 6	P=0.426N	P=0.295N	P=0.124N	P=0.427N
COCH-ARM / FISHERS	P=0.444N	P=0.309N	P=0.121N	P=0.500N
MAX-ISO-POLY-3	P=0.183N	P=0.150N	P=0.041N*	P=0.295N
HISTCONT SAME RTE	P=0.116	P=1.000	P=1.000	P=0.251
HISTCONT ALL RTES	P=0.116	P=1.000	P=1.000	P=0.251
CURR VS HC SAME RTE	P=0.066			
CURR VS HC ALL RTES	P=0.066			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Mammary Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/50 (6%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	3/38.59	2/36.82	2/35.70	0/40.16
POLY-3 PERCENT (g)	7.8%	5.4%	5.6%	0%
TERMINAL (d)	0/21 (0%)	1/19 (5%)	2/19 (11%)	0/30 (0%)
FIRST INCIDENCE	446	705	729 (T)	---
HC TUMORS SAME ROUTE	6/102 (6%)			
HC TUMORS ALL ROUTES	6/102 (6%)			
STATISTICAL TESTS				
POLY 3	P=0.077N	P=0.522N	P=0.536N	P=0.111N
POLY 1.5	P=0.084N	P=0.516N	P=0.525N	P=0.118N
POLY 6	P=0.069N	P=0.527N	P=0.553N	P=0.102N
COCH-ARM / FISHERS	P=0.086N	P=0.500N	P=0.500N	P=0.121N
MAX-ISO-POLY-3	P=0.078N	P=0.345N	P=0.359N	P=0.037N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.989			
CURR VS HC ALL RTES	P=0.989			

Experiment Number: 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 04/16/2013
 Time Report Requested: 09:53:55
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Mammary Gland Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	6/50 (12%)	3/50 (6%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	6/38.82	3/37.12	2/35.70	2/40.16
POLY-3 PERCENT (g)	15.5%	8.1%	5.6%	5%
TERMINAL (d)	1/21 (5%)	1/19 (5%)	2/19 (11%)	2/30 (7%)
FIRST INCIDENCE	446	645	729 (T)	729 (T)
HC TUMORS SAME ROUTE	7/102 (7%)			
HC TUMORS ALL ROUTES	7/102 (7%)			
STATISTICAL TESTS				
POLY 3	P=0.084N	P=0.261N	P=0.158N	P=0.119N
POLY 1.5	P=0.092N	P=0.257N	P=0.150N	P=0.131N
POLY 6	P=0.075N	P=0.264N	P=0.172N	P=0.105N
COCH-ARM / FISHERS	P=0.095N	P=0.243N	P=0.134N	P=0.134N
MAX-ISO-POLY-3	P=0.073N	P=0.165N	P=0.092N	P=0.063N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.331			
CURR VS HC ALL RTES	P=0.331			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Mammary Gland Fibroadenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	29/50 (58%)	31/50 (62%)	24/50 (48%)	23/50 (46%)
POLY-3 RATE (b)	29/43.58	31/43.34	24/41.10	23/42.99
POLY-3 PERCENT (g)	66.6%	71.5%	58.4%	53.5%
TERMINAL (d)	11/21 (52%)	11/19 (58%)	10/19 (53%)	14/30 (47%)
FIRST INCIDENCE	288	420	329	356
HC TUMORS SAME ROUTE	56/102 (55%)			
HC TUMORS ALL ROUTES	56/102 (55%)			
STATISTICAL TESTS				
POLY 3	P=0.058N	P=0.389	P=0.283N	P=0.147N
POLY 1.5	P=0.074N	P=0.375	P=0.264N	P=0.173N
POLY 6	P=0.045N*	P=0.422	P=0.325N	P=0.120N
COCH-ARM / FISHERS	P=0.072N	P=0.419	P=0.212N	P=0.158N
MAX-ISO-POLY-3	P=0.090N	P=0.301	P=0.216N	P=0.102N
HISTCONT SAME RTE	P=1.000	P=0.196	P=1.000	P=1.000
HISTCONT ALL RTES	P=1.000	P=0.196	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.695			
CURR VS HC ALL RTES	P=0.695			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Mammary Gland				
Fibroma, Fibroadenoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	30/50 (60%)	31/50 (62%)	24/50 (48%)	25/50 (50%)
POLY-3 RATE (b)	30/43.76	31/43.34	24/41.10	25/42.99
POLY-3 PERCENT (g)	68.6%	71.5%	58.4%	58.2%
TERMINAL (d)	11/21 (52%)	11/19 (58%)	10/19 (53%)	16/30 (53%)
FIRST INCIDENCE	288	420	329	356
HC TUMORS SAME ROUTE	56/102 (55%)			
HC TUMORS ALL ROUTES	56/102 (55%)			
STATISTICAL TESTS				
POLY 3	P=0.106N	P=0.471	P=0.217N	P=0.210N
POLY 1.5	P=0.125N	P=0.457	P=0.200N	P=0.238N
POLY 6	P=0.090N	P=0.498	P=0.261N	P=0.183N
COCH-ARM / FISHERS	P=0.115N	P=0.500	P=0.158N	P=0.211N
MAX-ISO-POLY-3	P=0.168N	P=0.375	P=0.162N	P=0.152N
HISTCONT SAME RTE	P=1.000	P=0.196	P=1.000	P=1.000
HISTCONT ALL RTES	P=1.000	P=0.196	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.544			
CURR VS HC ALL RTES	P=0.544			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Mammary Gland				
Fibroma, Fibroadenoma, Carcinoma, or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	32/50 (64%)	31/50 (62%)	25/50 (50%)	25/50 (50%)
POLY-3 RATE (b)	32/45.19	31/43.34	25/41.10	25/42.99
POLY-3 PERCENT (g)	70.8%	71.5%	60.8%	58.2%
TERMINAL (d)	11/21 (52%)	11/19 (58%)	11/19 (58%)	16/30 (53%)
FIRST INCIDENCE	288	420	329	356
HC TUMORS SAME ROUTE	59/102 (58%)			
HC TUMORS ALL ROUTES	59/102 (58%)			
STATISTICAL TESTS				
POLY 3	P=0.076N	P=0.566	P=0.216N	P=0.146N
POLY 1.5	P=0.082N	P=0.582	P=0.176N	P=0.152N
POLY 6	P=0.071N	P=0.563	P=0.289N	P=0.139N
COCH-ARM / FISHERS	P=0.064N	P=0.500N	P=0.113N	P=0.113N
MAX-ISO-POLY-3	P=0.119N	P=0.469	P=0.164N	P=0.105N
HISTCONT SAME RTE	P=1.000	P=0.226	P=1.000	P=1.000
HISTCONT ALL RTES	P=1.000	P=0.226	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.496			
CURR VS HC ALL RTES	P=0.496			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)				
Squamous Cell Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/36.47	0/36.72	0/35.70	2/40.59
POLY-3 PERCENT (g)	0%	0%	0%	4.9%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	1/30 (3%)
FIRST INCIDENCE	---	---	---	605
HC TUMORS SAME ROUTE	0/102 (0%)			
HC TUMORS ALL ROUTES	0/102 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.050*	(e)	(e)	P=0.261
POLY 1.5	P=0.047*	(e)	(e)	P=0.246
POLY 6	P=0.055	(e)	(e)	P=0.282
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.053	(e)	(e)	P=0.099
HISTCONT SAME RTE	P=0.047*	(e)	(e)	P=0.154
HISTCONT ALL RTES	P=0.047*	(e)	(e)	P=0.154
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva) Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/36.47	0/36.72	0/35.70	2/40.59
POLY-3 PERCENT (g)	0%	0%	0%	4.9%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	1/30 (3%)
FIRST INCIDENCE	---	---	---	605
HC TUMORS SAME ROUTE	0/102 (0%)			
HC TUMORS ALL ROUTES	0/102 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.050*	(e)	(e)	P=0.261
POLY 1.5	P=0.047*	(e)	(e)	P=0.246
POLY 6	P=0.055	(e)	(e)	P=0.282
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.053	(e)	(e)	P=0.099
HISTCONT SAME RTE	P=0.047*	(e)	(e)	P=0.154
HISTCONT ALL RTES	P=0.047*	(e)	(e)	P=0.154
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Oral Mucosa				
Squamous Cell Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/36.47	0/36.72	0/35.70	2/40.59
POLY-3 PERCENT (g)	0%	0%	0%	4.9%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	1/30 (3%)
FIRST INCIDENCE	---	---	---	605
HC TUMORS SAME ROUTE	0/102 (0%)			
HC TUMORS ALL ROUTES	0/102 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.050*	(e)	(e)	P=0.261
POLY 1.5	P=0.047*	(e)	(e)	P=0.246
POLY 6	P=0.055	(e)	(e)	P=0.282
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.053	(e)	(e)	P=0.099
HISTCONT SAME RTE	P=0.047*	(e)	(e)	P=0.154
HISTCONT ALL RTES	P=0.047*	(e)	(e)	P=0.154
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Pancreas				
Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	1/49 (2%)	0/49 (0%)	1/48 (2%)
POLY-3 RATE (b)	0/36.47	1/36.64	0/35.54	1/40.12
POLY-3 PERCENT (g)	0%	2.7%	0%	2.5%
TERMINAL (d)	0/21 (0%)	1/19 (5%)	0/19 (0%)	1/30 (3%)
FIRST INCIDENCE	---	729 (T)	---	729 (T)
HC TUMORS SAME ROUTE	0/102 (0%)			
HC TUMORS ALL ROUTES	0/102 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Pancreas				
Carcinoma or Adenoma				
<hr/>				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	1/49 (2%)	0/49 (0%)	1/48 (2%)
POLY-3 RATE (b)	0/36.47	1/36.64	0/35.54	1/40.12
POLY-3 PERCENT (g)	0%	2.7%	0%	2.5%
TERMINAL (d)	0/21 (0%)	1/19 (5%)	0/19 (0%)	1/30 (3%)
FIRST INCIDENCE	---	729 (T)	---	729 (T)
HC TUMORS SAME ROUTE	1/102 (1%)			
HC TUMORS ALL ROUTES	1/102 (1%)			
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Pituitary Gland: Pars Distalis or Unspecified Site Adenoma				
TUMOR RATES				
OVERALL (a)	18/50 (36%)	18/50 (36%)	19/50 (38%)	8/49 (16%)
POLY-3 RATE (b)	18/39.50	18/39.92	19/38.80	8/40.38
POLY-3 PERCENT (g)	45.6%	45.1%	49%	19.8%
TERMINAL (d)	8/21 (38%)	10/19 (53%)	11/19 (58%)	3/30 (10%)
FIRST INCIDENCE	552	420	516	571
HC TUMORS SAME ROUTE	30/102 (29%)			
HC TUMORS ALL ROUTES	30/102 (29%)			
STATISTICAL TESTS				
POLY 3	P=0.006N**	P=0.574N	P=0.469	P=0.011N*
POLY 1.5	P=0.010N**	P=0.581N	P=0.472	P=0.016N*
POLY 6	P=0.003N**	P=0.586N	P=0.440	P=0.007N**
COCH-ARM / FISHERS	P=0.017N*	P=0.582N	P=0.500	P=0.022N*
MAX-ISO-POLY-3	P=0.008N**	P=0.481N	P=0.377	P=0.006N**
HISTCONT SAME RTE	P=1.000	P=0.286	P=0.180	P=1.000
HISTCONT ALL RTES	P=1.000	P=0.286	P=0.180	P=1.000
CURR VS HC SAME RTE	P=0.519			
CURR VS HC ALL RTES	P=0.519			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Pituitary Gland: Pars Distalis or Unspecified Site Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	18/50 (36%)	18/50 (36%)	19/50 (38%)	8/49 (16%)
POLY-3 RATE (b)	18/39.50	18/39.92	19/38.80	8/40.38
POLY-3 PERCENT (g)	45.6%	45.1%	49%	19.8%
TERMINAL (d)	8/21 (38%)	10/19 (53%)	11/19 (58%)	3/30 (10%)
FIRST INCIDENCE	552	420	516	571
HC TUMORS SAME ROUTE	32/102 (31%)			
HC TUMORS ALL ROUTES	32/102 (31%)			
STATISTICAL TESTS				
POLY 3	P=0.006N**	P=0.574N	P=0.469	P=0.011N*
POLY 1.5	P=0.010N**	P=0.581N	P=0.472	P=0.016N*
POLY 6	P=0.003N**	P=0.586N	P=0.440	P=0.007N**
COCH-ARM / FISHERS	P=0.017N*	P=0.582N	P=0.500	P=0.022N*
MAX-ISO-POLY-3	P=0.008N**	P=0.481N	P=0.377	P=0.006N**
HISTCONT SAME RTE	P=1.000	P=0.416	P=0.280	P=1.000
HISTCONT ALL RTES	P=1.000	P=0.416	P=0.280	P=1.000
CURR VS HC SAME RTE	P=0.715			
CURR VS HC ALL RTES	P=0.715			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/36.47	0/36.72	1/36.69	0/40.16
POLY-3 PERCENT (g)	0%	0%	2.7%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	160	---
HC TUMORS SAME ROUTE	1/102 (1%)			
HC TUMORS ALL ROUTES	1/102 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Fibroma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	1/36.47	0/36.72	0/35.70	4/40.27
POLY-3 PERCENT (g)	2.7%	0%	0%	9.9%
TERMINAL (d)	1/21 (5%)	0/19 (0%)	0/19 (0%)	3/30 (10%)
FIRST INCIDENCE	729 (T)	---	---	701
HC TUMORS SAME ROUTE	2/102 (2%)			
HC TUMORS ALL ROUTES	2/102 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.029*	P=0.499N	P=0.504N	P=0.209
POLY 1.5	P=0.027*	P=0.501N	P=0.504N	P=0.189
POLY 6	P=0.031*	P=0.496N	P=0.506N	P=0.236
COCH-ARM / FISHERS	P=0.028*	P=0.500N	P=0.500N	P=0.181
MAX-ISO-POLY-3	P=0.024*	P=0.158N	P=0.163N	P=0.112
HISTCONT SAME RTE	P=0.085	P=1.000	P=1.000	P=0.151
HISTCONT ALL RTES	P=0.085	P=1.000	P=1.000	P=0.151
CURR VS HC SAME RTE	P=0.927			
CURR VS HC ALL RTES	P=0.927			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	6/50 (12%)
POLY-3 RATE (b)	2/36.78	0/36.72	0/35.70	6/40.42
POLY-3 PERCENT (g)	5.4%	0%	0%	14.9%
TERMINAL (d)	1/21 (5%)	0/19 (0%)	0/19 (0%)	4/30 (13%)
FIRST INCIDENCE	645	---	---	692
HC TUMORS SAME ROUTE	2/102 (2%)			
HC TUMORS ALL ROUTES	2/102 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.013*	P=0.237N	P=0.243N	P=0.163
POLY 1.5	P=0.013*	P=0.238N	P=0.242N	P=0.143
POLY 6	P=0.015*	P=0.235N	P=0.247N	P=0.191
COCH-ARM / FISHERS	P=0.014*	P=0.247N	P=0.247N	P=0.134
MAX-ISO-POLY-3	P=0.009**	P=0.075N	P=0.081N	P=0.097
HISTCONT SAME RTE	P=0.058	P=1.000	P=1.000	P=0.092
HISTCONT ALL RTES	P=0.058	P=1.000	P=1.000	P=0.092
CURR VS HC SAME RTE	P=0.576			
CURR VS HC ALL RTES	P=0.576			

Experiment Number: 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 04/16/2013
 Time Report Requested: 09:53:55
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Fibrosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/36.78	0/36.72	0/35.70	1/40.31
POLY-3 PERCENT (g)	2.7%	0%	0%	2.5%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	645	---	---	692
HC TUMORS SAME ROUTE	0/102 (0%)			
HC TUMORS ALL ROUTES	0/102 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/36.78	0/36.72	0/35.70	2/40.31
POLY-3 PERCENT (g)	2.7%	0%	0%	5%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	1/30 (3%)
FIRST INCIDENCE	645	---	---	692
HC TUMORS SAME ROUTE	0/102 (0%)			
HC TUMORS ALL ROUTES	0/102 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.258	P=0.500N	P=0.506N	P=0.532
POLY 1.5	P=0.250	P=0.501N	P=0.505N	P=0.512
POLY 6	P=0.270	P=0.499N	P=0.510N	P=0.557
COCH-ARM / FISHERS	P=0.246	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.174	P=0.158N	P=0.165N	P=0.315
HISTCONT SAME RTE	P=0.048*	(e)	(e)	P=0.154
HISTCONT ALL RTES	P=0.048*	(e)	(e)	P=0.154
CURR VS HC SAME RTE	P=0.094			
CURR VS HC ALL RTES	P=0.094			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/36.47	0/36.72	0/35.70	0/40.16
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	1/102 (1%)			
HC TUMORS ALL ROUTES	1/102 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/36.47	0/36.72	0/35.70	1/40.16
POLY-3 PERCENT (g)	0%	0%	0%	2.5%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	1/30 (3%)
FIRST INCIDENCE	---	---	---	729 (T)
HC TUMORS SAME ROUTE	0/102 (0%)			
HC TUMORS ALL ROUTES	0/102 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/36.47	0/36.72	1/36.69	0/40.16
POLY-3 PERCENT (g)	0%	0%	2.7%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	160	---
HC TUMORS SAME ROUTE	0/102 (0%)			
HC TUMORS ALL ROUTES	0/102 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/36.47	0/36.72	0/35.70	0/40.16
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	1/102 (1%)			
HC TUMORS ALL ROUTES	1/102 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Skin				
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/36.47	0/36.72	0/35.70	0/40.16
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	1/102 (1%)			
HC TUMORS ALL ROUTES	1/102 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTEs	(n)			

Experiment Number: 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 04/16/2013
 Time Report Requested: 09:53:55
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Stomach, Forestomach Squamous Cell Carcinoma or Papilloma Squamous				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/36.47	0/36.72	0/35.70	1/40.16
POLY-3 PERCENT (g)	2.7%	0%	0%	2.5%
TERMINAL (d)	1/21 (5%)	0/19 (0%)	0/19 (0%)	1/30 (3%)
FIRST INCIDENCE	729 (T)	---	---	729 (T)
HC TUMORS SAME ROUTE	0/102 (0%)			
HC TUMORS ALL ROUTES	0/102 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Thyroid Gland: C-Cell Adenoma				
TUMOR RATES				
OVERALL (a)	11/49 (22%)	9/49 (18%)	5/48 (10%)	10/47 (21%)
POLY-3 RATE (b)	11/36.91	9/37.66	5/36.00	10/40.04
POLY-3 PERCENT (g)	29.8%	23.9%	13.9%	25%
TERMINAL (d)	8/21 (38%)	6/19 (32%)	2/19 (11%)	7/30 (23%)
FIRST INCIDENCE	558	313	631	605
HC TUMORS SAME ROUTE	19/101 (19%)			
HC TUMORS ALL ROUTES	19/101 (19%)			
STATISTICAL TESTS				
POLY 3	P=0.385N	P=0.375N	P=0.082N	P=0.413N
POLY 1.5	P=0.438N	P=0.391N	P=0.090N	P=0.483N
POLY 6	P=0.315N	P=0.355N	P=0.076N	P=0.327N
COCH-ARM / FISHERS	P=0.480N	P=0.401N	P=0.092N	P=0.543N
MAX-ISO-POLY-3	P=0.248N	P=0.282N	P=0.047N*	P=0.324N
HISTCONT SAME RTE	P=0.461	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.461	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.483			
CURR VS HC ALL RTES	P=0.483			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Thyroid Gland: C-Cell Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	11/49 (22%)	10/49 (20%)	5/48 (10%)	11/47 (23%)
POLY-3 RATE (b)	11/36.91	10/37.66	5/36.00	11/40.15
POLY-3 PERCENT (g)	29.8%	26.6%	13.9%	27.4%
TERMINAL (d)	8/21 (38%)	7/19 (37%)	2/19 (11%)	7/30 (23%)
FIRST INCIDENCE	558	313	631	605
HC TUMORS SAME ROUTE	22/101 (22%)			
HC TUMORS ALL ROUTES	22/101 (22%)			
STATISTICAL TESTS				
POLY 3	P=0.457N	P=0.478N	P=0.082N	P=0.508N
POLY 1.5	P=0.514N	P=0.493N	P=0.090N	P=0.580N
POLY 6	P=0.379N	P=0.459N	P=0.076N	P=0.413N
COCH-ARM / FISHERS	P=0.542	P=0.500N	P=0.092N	P=0.552
MAX-ISO-POLY-3	P=0.308N	P=0.376N	P=0.047N*	P=0.410N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.854			
CURR VS HC ALL RTES	P=0.854			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Uterus				
Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	4/50 (8%)	4/50 (8%)
POLY-3 RATE (b)	0/36.47	1/37.03	4/36.74	4/40.68
POLY-3 PERCENT (g)	0%	2.7%	10.9%	9.8%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	1/19 (5%)	2/30 (7%)
FIRST INCIDENCE	---	645	608	645
HC TUMORS SAME ROUTE	3/102 (3%)			
HC TUMORS ALL ROUTES	3/102 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.040*	P=0.503	P=0.059	P=0.074
POLY 1.5	P=0.032*	P=0.500	P=0.059	P=0.065
POLY 6	P=0.053	P=0.507	P=0.061	P=0.088
COCH-ARM / FISHERS	P=0.029*	P=0.500	P=0.059	P=0.059
MAX-ISO-POLY-3	P=0.050*	P=0.162	P=0.019*	P=0.031*
HISTCONT SAME RTE	P=0.113	P=1.000	P=0.143	P=0.155
HISTCONT ALL RTES	P=0.113	P=1.000	P=0.143	P=0.155
CURR VS HC SAME RTE	P=0.201			
CURR VS HC ALL RTES	P=0.201			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Uterus				
Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	10/50 (20%)	10/50 (20%)	13/50 (26%)	9/50 (18%)
POLY-3 RATE (b)	10/37.59	10/38.14	13/37.42	9/40.74
POLY-3 PERCENT (g)	26.6%	26.2%	34.7%	22.1%
TERMINAL (d)	7/21 (33%)	5/19 (26%)	8/19 (42%)	6/30 (20%)
FIRST INCIDENCE	422	420	611	622
HC TUMORS SAME ROUTE	11/102 (11%)			
HC TUMORS ALL ROUTES	11/102 (11%)			
STATISTICAL TESTS				
POLY 3	P=0.379N	P=0.589N	P=0.300	P=0.420N
POLY 1.5	P=0.444N	P=0.600N	P=0.295	P=0.474N
POLY 6	P=0.293N	P=0.572N	P=0.310	P=0.348N
COCH-ARM / FISHERS	P=0.477N	P=0.598N	P=0.318	P=0.500N
MAX-ISO-POLY-3	P=0.396N	P=0.484N	P=0.219	P=0.326N
HISTCONT SAME RTE	P=0.175	P=0.149	P=0.088	P=0.224
HISTCONT ALL RTES	P=0.175	P=0.149	P=0.088	P=0.224
CURR VS HC SAME RTE	P=0.204			
CURR VS HC ALL RTES	P=0.204			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Uterus				
Sarcoma Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	2/37.22	0/36.72	2/37.19	1/40.54
POLY-3 PERCENT (g)	5.4%	0%	5.4%	2.5%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	614	---	393	622
HC TUMORS SAME ROUTE	0/102 (0%)			
HC TUMORS ALL ROUTES	0/102 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.501N	P=0.239N	P=0.695	P=0.470N
POLY 1.5	P=0.518N	P=0.240N	P=0.692	P=0.489N
POLY 6	P=0.478N	P=0.240N	P=0.692	P=0.447N
COCH-ARM / FISHERS	P=0.531N	P=0.247N	P=0.691N	P=0.500N
MAX-ISO-POLY-3	P=0.394N	P=0.078N	P=0.499	P=0.263N
HISTCONT SAME RTE	P=0.133	(e)	P=0.152	P=0.352
HISTCONT ALL RTES	P=0.133	(e)	P=0.152	P=0.352
CURR VS HC SAME RTE	P=0.022*			
CURR VS HC ALL RTES	P=0.022*			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Uterus				
Sarcoma Stromal or Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	12/50 (24%)	10/50 (20%)	15/50 (30%)	9/50 (18%)
POLY-3 RATE (b)	12/38.34	10/38.14	15/38.91	9/40.74
POLY-3 PERCENT (g)	31.3%	26.2%	38.6%	22.1%
TERMINAL (d)	7/21 (33%)	5/19 (26%)	8/19 (42%)	6/30 (20%)
FIRST INCIDENCE	422	420	393	622
HC TUMORS SAME ROUTE	11/102 (11%)			
HC TUMORS ALL ROUTES	11/102 (11%)			
STATISTICAL TESTS				
POLY 3	P=0.260N	P=0.405N	P=0.330	P=0.249N
POLY 1.5	P=0.316N	P=0.411N	P=0.317	P=0.291N
POLY 6	P=0.194N	P=0.400N	P=0.342	P=0.200N
COCH-ARM / FISHERS	P=0.345N	P=0.405N	P=0.326	P=0.312N
MAX-ISO-POLY-3	P=0.269N	P=0.310N	P=0.249	P=0.182N
HISTCONT SAME RTE	P=0.175	P=0.149	P=0.074	P=0.224
HISTCONT ALL RTES	P=0.175	P=0.149	P=0.074	P=0.224
CURR VS HC SAME RTE	P=0.084			
CURR VS HC ALL RTES	P=0.084			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

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First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
All Organs				
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/36.47	2/37.91	0/35.70	0/40.16
POLY-3 PERCENT (g)	0%	5.3%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	388	---	---
HC TUMORS SAME ROUTE	1/102 (1%)			
HC TUMORS ALL ROUTES	1/102 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.384N	P=0.245	(e)	(e)
POLY 1.5	P=0.397N	P=0.240	(e)	(e)
POLY 6	P=0.365N	P=0.251	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.258N	P=0.083	(e)	(e)
HISTCONT SAME RTE	P=0.693	P=0.241	(e)	(e)
HISTCONT ALL RTES	P=0.693	P=0.241	(e)	(e)
CURR VS HC SAME RTE	P=0.361			
CURR VS HC ALL RTES	P=0.361			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

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First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
All Organs				
Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	40/50 (80%)	40/50 (80%)	41/50 (82%)	35/50 (70%)
POLY-3 RATE (b)	40/44.68	40/45.00	41/44.73	35/44.25
POLY-3 PERCENT (g)	89.5%	88.9%	91.7%	79.1%
TERMINAL (d)	19/21 (91%)	18/19 (95%)	18/19 (95%)	22/30 (73%)
FIRST INCIDENCE	288	313	307	356
HC TUMORS SAME ROUTE	83/102 (81%)			
HC TUMORS ALL ROUTES	83/102 (81%)			
STATISTICAL TESTS				
POLY 3	P=0.067N	P=0.609N	P=0.508	P=0.127N
POLY 1.5	P=0.119N	P=0.630	P=0.458	P=0.184N
POLY 6	P=0.027N*	P=0.596N	P=0.561	P=0.078N
COCH-ARM / FISHERS	P=0.124N	P=0.598N	P=0.500	P=0.178N
MAX-ISO-POLY-3	P=0.069N	P=0.454N	P=0.342	P=0.074N
HISTCONT SAME RTE	P=1.000	P=1.000	P=0.390	P=1.000
HISTCONT ALL RTES	P=1.000	P=1.000	P=0.390	P=1.000
CURR VS HC SAME RTE	P=0.993			
CURR VS HC ALL RTES	P=0.993			

Experiment Number: 20006 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Indole-3-carbinol
 CAS Number: 700-06-1

Date Report Requested: 04/16/2013
 Time Report Requested: 09:53:55
 First Dose M/F: 03/14/07 / 03/15/07
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	14/50 (28%)	11/50 (22%)	15/50 (30%)	15/50 (30%)
POLY-3 RATE (b)	14/41.97	11/39.77	15/40.85	15/41.90
POLY-3 PERCENT (g)	33.4%	27.7%	36.7%	35.8%
TERMINAL (d)	3/21 (14%)	4/19 (21%)	6/19 (32%)	8/30 (27%)
FIRST INCIDENCE	425	187	160	605
HC TUMORS SAME ROUTE	28/102 (28%)			
HC TUMORS ALL ROUTES	28/102 (28%)			
STATISTICAL TESTS				
POLY 3	P=0.356	P=0.374N	P=0.464	P=0.498
POLY 1.5	P=0.326	P=0.351N	P=0.480	P=0.473
POLY 6	P=0.409	P=0.405N	P=0.427	P=0.539
COCH-ARM / FISHERS	P=0.344	P=0.322N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.461	P=0.292N	P=0.373	P=0.405
HISTCONT SAME RTE	P=0.389	P=1.000	P=0.475	P=1.000
HISTCONT ALL RTES	P=0.389	P=1.000	P=0.475	P=1.000
CURR VS HC SAME RTE	P=0.881			
CURR VS HC ALL RTES	P=0.881			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
All Organs				
Malignant and Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	46/50 (92%)	44/50 (88%)	46/50 (92%)	37/50 (74%)
POLY-3 RATE (b)	46/48.29	44/47.54	46/47.60	37/44.25
POLY-3 PERCENT (g)	95.3%	92.6%	96.6%	83.6%
TERMINAL (d)	19/21 (91%)	18/19 (95%)	18/19 (95%)	24/30 (80%)
FIRST INCIDENCE	288	187	160	356
HC TUMORS SAME ROUTE	92/102 (90%)			
HC TUMORS ALL ROUTES	92/102 (90%)			
STATISTICAL TESTS				
POLY 3	P=0.029N*	P=0.445N	P=0.577	P=0.057N
POLY 1.5	P=0.022N*	P=0.402N	P=0.593	P=0.042N*
POLY 6	P=0.034N*	P=0.528N	P=0.545	P=0.074N
COCH-ARM / FISHERS	P=0.007N**	P=0.370N	P=0.643N	P=0.016N*
MAX-ISO-POLY-3	P=0.024N*	P=0.277N	P=0.357	P=0.031N*
HISTCONT SAME RTE	P=1.000	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=1.000	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.960			
CURR VS HC ALL RTES	P=0.960			

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

Time Report Requested: 09:53:55

First Dose M/F: 03/14/07 / 03/15/07

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.
- (h) Historical Controls statistic is not calculated when the HC Poly-3 rate is higher than the Poly-3 rates for all dose groups.
- (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 ***