

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

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

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

### MALE RATS

#### Organ

Adrenal Cortex

Blood Vessel

Bone

Brain

Intestine Small, Duodenum: Lymphatic

Intestine Small, Jejunum: Lymphatic

Liver

Liver: Bile Duct

Lymph Node, Mesenteric: Lymphatic

Lymph Node: Renal

Nose

Nose: Respiratory Epithelium

Pancreas: Artery

Parathyroid Gland

Preputial Gland

Prostate

Seminal Vesicle

Skin

Stomach, Glandular: Epithelium

Testes

Testes: Artery

Thyroid Gland: Follicular Cell

### FEMALE RATS

#### Organ

Adrenal Cortex

Blood Vessel

Intestine Small, Duodenum: Lymphatic

Intestine Small, Jejunum: Lymphatic

Liver

#### Morphology

Degeneration Fatty

Hyperplasia

Inflammation Chronic

Fibrous Osteodystrophy

Necrosis

Ectasia

Ectasia

Cholangiofibrosis

Cyst

Ectasia

Ectasia

Foreign Body

Hyperplasia

Inflammation Chronic

Hyperplasia

Cyst

Inflammation Acute

Inflammation Acute

Inflammation

Hyperplasia

Atrophy

Inflammation Chronic

Hypertrophy

#### Morphology

Degeneration Fatty

Inflammation Chronic

Ectasia

Ectasia

Basophilic Focus

Clear Cell Focus

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

Liver: Bile Duct  
Lymph Node, Mesenteric: Lymphatic  
Mammary Gland  
Nose: Olfactory Epithelium  
Nose: Respiratory Epithelium  
Ovary  
Pancreas: Artery  
Stomach, Forestomach  
Thymus  
Uterus  
Uterus: Endometrium

Eosinophilic Focus  
Hepatodiaphragmatic Nodule  
Mixed Cell Focus  
Hyperplasia  
Ectasia  
Hyperplasia  
Atrophy  
Hyperplasia  
Atrophy  
Inflammation Chronic  
Hyperplasia  
Atrophy  
Inflammation Acute  
Hyperplasia Cystic  
Metaplasia

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Adrenal Cortex Degeneration Cystic</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	3/49 (6%)	5/50 (10%)	4/50 (8%)
POLY-3 RATE (b)	4/38.40	3/33.49	5/37.88	4/34.99
POLY-3 PERCENT (g)	10.4%	9%	13.2%	11.4%
TERMINAL (d)	3/20 (15%)	1/13 (8%)	2/17 (12%)	1/12 (8%)
FIRST INCIDENCE	685	559	468	496
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.464	P=0.575N	P=0.491	P=0.593
POLY 1.5	P=0.482	P=0.543N	P=0.503	P=0.616
POLY 6	P=0.436	P=0.623N	P=0.470	P=0.558
COCH-ARM / FISHERS	P=0.504	P=0.511N	P=0.500	P=0.643N
MAX-ISO-POLY-3	P=0.576	P=0.421N	P=0.353	P=0.445

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Adrenal Cortex</b>				
<b>Degeneration Fatty</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	8/50 (16%)	13/49 (27%)	5/50 (10%)	16/50 (32%)
POLY-3 RATE (b)	8/39.35	13/36.56	5/37.53	16/36.79
POLY-3 PERCENT (g)	20.3%	35.6%	13.3%	43.5%
TERMINAL (d)	1/20 (5%)	4/13 (31%)	1/17 (6%)	6/12 (50%)
FIRST INCIDENCE	599	441	594	498
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.041*	P=0.105	P=0.302N	P=0.022*
POLY 1.5	P=0.052	P=0.126	P=0.282N	P=0.032*
POLY 6	P=0.028*	P=0.079	P=0.335N	P=0.014*
COCH-ARM / FISHERS	P=0.074	P=0.150	P=0.277N	P=0.050*
MAX-ISO-POLY-3	P=0.017*	P=0.070	P=0.211N	P=0.014*

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Adrenal Cortex Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	14/50 (28%)	19/49 (39%)	19/50 (38%)	6/50 (12%)
POLY-3 RATE (b)	14/41.69	19/37.94	19/39.87	6/35.45
POLY-3 PERCENT (g)	33.6%	50.1%	47.7%	16.9%
TERMINAL (d)	6/20 (30%)	7/13 (54%)	10/17 (59%)	1/12 (8%)
FIRST INCIDENCE	450	448	468	306
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.051N	P=0.095	P=0.135	P=0.076N
POLY 1.5	P=0.030N*	P=0.129	P=0.170	P=0.055N
POLY 6	P=0.102N	P=0.060	P=0.096	P=0.117N
COCH-ARM / FISHERS	P=0.019N*	P=0.178	P=0.198	P=0.039N*
MAX-ISO-POLY-3	P=0.015N*	P=0.069	P=0.096	P=0.057N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Adrenal Cortex Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/49 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/38.40	0/32.78	0/36.40	2/34.83
POLY-3 PERCENT (g)	2.6%	0%	0%	5.7%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	685	---	---	462
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.248	P=0.531N	P=0.511N	P=0.466
POLY 1.5	P=0.248	P=0.518N	P=0.503N	P=0.481
POLY 6	P=0.247	P=0.552N	P=0.522N	P=0.443
COCH-ARM / FISHERS	P=0.247	P=0.505N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.132	P=0.195N	P=0.172N	P=0.261

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TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Adrenal Medulla Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	18/50 (36%)	22/49 (45%)	20/50 (40%)	19/50 (38%)
POLY-3 RATE (b)	18/40.40	22/38.73	20/41.70	19/39.47
POLY-3 PERCENT (g)	44.6%	56.8%	48%	48.1%
TERMINAL (d)	8/20 (40%)	6/13 (46%)	6/17 (35%)	4/12 (33%)
FIRST INCIDENCE	599	448	468	412
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.540	P=0.183	P=0.464	P=0.460
POLY 1.5	P=0.531N	P=0.215	P=0.462	P=0.481
POLY 6	P=0.513	P=0.139	P=0.455	P=0.423
COCH-ARM / FISHERS	P=0.518N	P=0.243	P=0.418	P=0.500
MAX-ISO-POLY-3	P=0.452	P=0.131	P=0.376	P=0.371

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TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Blood Vessel Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	30/50 (60%)	38/50 (76%)	30/50 (60%)	29/50 (58%)
POLY-3 RATE (b)	30/42.49	38/43.46	30/40.49	29/39.83
POLY-3 PERCENT (g)	70.6%	87.4%	74.1%	72.8%
TERMINAL (d)	15/20 (75%)	11/13 (85%)	14/17 (82%)	8/12 (67%)
FIRST INCIDENCE	444	448	499	412
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.405N	P=0.032*	P=0.452	P=0.510
POLY 1.5	P=0.311N	P=0.041*	P=0.544	P=0.581
POLY 6	P=0.554N	P=0.030*	P=0.322	P=0.420
COCH-ARM / FISHERS	P=0.236N	P=0.066	P=0.581N	P=0.500N
MAX-ISO-POLY-3	P=0.295	P=0.017*	P=0.350	P=0.405

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TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Blood Vessel Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/38.24	2/34.07	1/36.97	1/34.08
POLY-3 PERCENT (g)	0%	5.9%	2.7%	2.9%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	---	602	546	640
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.446	P=0.211	P=0.493	P=0.477
POLY 1.5	P=0.471	P=0.224	P=0.499	P=0.487
POLY 6	P=0.412	P=0.194	P=0.485	P=0.463
COCH-ARM / FISHERS	P=0.500	P=0.247	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.285	P=0.075	P=0.158	P=0.158

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TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Bone Marrow Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	1/38.27	2/35.00	4/38.72	3/35.21
POLY-3 PERCENT (g)	2.6%	5.7%	10.3%	8.5%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	720	441	423	258
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.190	P=0.469	P=0.180	P=0.274
POLY 1.5	P=0.205	P=0.486	P=0.184	P=0.290
POLY 6	P=0.168	P=0.440	P=0.173	P=0.252
COCH-ARM / FISHERS	P=0.221	P=0.500	P=0.181	P=0.309
MAX-ISO-POLY-3	P=0.212	P=0.262	P=0.085	P=0.142

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Bone</b>				
<b>Fibrous Osteodystrophy</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	12/50 (24%)	19/50 (38%)	13/50 (26%)	8/50 (16%)
POLY-3 RATE (b)	12/40.85	19/39.83	13/41.81	8/36.27
POLY-3 PERCENT (g)	29.4%	47.7%	31.1%	22.1%
TERMINAL (d)	2/20 (10%)	2/13 (15%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	485	454	499	575
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.129N	P=0.065	P=0.528	P=0.317N
POLY 1.5	P=0.102N	P=0.079	P=0.527	P=0.275N
POLY 6	P=0.168N	P=0.050*	P=0.528	P=0.376N
COCH-ARM / FISHERS	P=0.078N	P=0.097	P=0.500	P=0.227N
MAX-ISO-POLY-3	P=0.112N	P=0.042*	P=0.431	P=0.243N

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TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Brain</b>				
<b>Gliososis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/38.24	2/34.52	0/36.40	0/33.77
POLY-3 PERCENT (g)	0%	5.8%	0%	0%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	---	441	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.440N	P=0.214	(e)	(e)
POLY 1.5	P=0.422N	P=0.226	(e)	(e)
POLY 6	P=0.467N	P=0.197	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.279N	P=0.075	(e)	(e)

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TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Brain</b>				
<b>Necrosis</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/38.24	0/33.45	0/36.40	2/34.81
POLY-3 PERCENT (g)	0%	0%	0%	5.8%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	---	---	---	519
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.044*	(e)	(e)	P=0.216
POLY 1.5	P=0.044*	(e)	(e)	P=0.225
POLY 6	P=0.043*	(e)	(e)	P=0.203
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	P=0.075

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Esophagus Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/38.24	1/34.15	0/36.40	0/33.77
POLY-3 PERCENT (g)	0%	2.9%	0%	0%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	---	489	---	---
<b>STATISTICAL TESTS</b>				
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)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Eye: Anterior Chamber				
Inflammation Acute				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	4/49 (8%)	3/49 (6%)
POLY-3 RATE (b)	2/38.60	1/34.06	4/37.22	3/34.02
POLY-3 PERCENT (g)	5.2%	2.9%	10.8%	8.8%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	635	533	570	531
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.249	P=0.544N	P=0.319	P=0.442
POLY 1.5	P=0.263	P=0.522N	P=0.328	P=0.464
POLY 6	P=0.230	P=0.579N	P=0.307	P=0.413
COCH-ARM / FISHERS	P=0.282	P=0.500N	P=0.329	P=0.490
MAX-ISO-POLY-3	P=0.295	P=0.327N	P=0.188	P=0.283

---



Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Eye: Cornea				
Inflammation Acute				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	20/50 (40%)	25/50 (50%)	17/49 (35%)	21/49 (43%)
POLY-3 RATE (b)	20/42.19	25/40.87	17/39.98	21/37.58
POLY-3 PERCENT (g)	47.4%	61.2%	42.5%	55.9%
TERMINAL (d)	9/20 (45%)	5/13 (39%)	5/17 (29%)	7/12 (58%)
FIRST INCIDENCE	188	454	531	258
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.417	P=0.139	P=0.410N	P=0.290
POLY 1.5	P=0.489	P=0.161	P=0.387N	P=0.359
POLY 6	P=0.334	P=0.123	P=0.430N	P=0.215
COCH-ARM / FISHERS	P=0.492N	P=0.211	P=0.368N	P=0.466
MAX-ISO-POLY-3	P=0.367	P=0.098	P=0.328N	P=0.228

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Heart				
Cardiomyopathy				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	47/50 (94%)	48/50 (96%)	49/50 (98%)	48/50 (96%)
POLY-3 RATE (b)	47/49.70	48/49.09	49/49.20	48/50.00
POLY-3 PERCENT (g)	94.6%	97.8%	99.6%	96%
TERMINAL (d)	18/20 (90%)	13/13 (100%)	17/17 (100%)	10/12 (83%)
FIRST INCIDENCE	188	191	367	190
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.500	P=0.371	P=0.171	P=0.555
POLY 1.5	P=0.454	P=0.414	P=0.205	P=0.529
POLY 6	P=0.567	P=0.343	P=0.165	P=0.595
COCH-ARM / FISHERS	P=0.404	P=0.500	P=0.309	P=0.500
MAX-ISO-POLY-3	P=0.260	P=0.189	P=0.057	P=0.366

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Heart: Atrium				
Thrombosis				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/50 (6%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	1/38.54	3/34.29	3/37.23	3/34.22
POLY-3 PERCENT (g)	2.6%	8.8%	8.1%	8.8%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	645	637	611	611
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.239	P=0.263	P=0.292	P=0.262
POLY 1.5	P=0.263	P=0.284	P=0.302	P=0.281
POLY 6	P=0.206	P=0.234	P=0.278	P=0.237
COCH-ARM / FISHERS	P=0.292	P=0.309	P=0.309	P=0.309
MAX-ISO-POLY-3	P=0.264	P=0.138	P=0.147	P=0.138

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Heart: Epicardium Inflammation				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/38.37	1/33.45	0/36.40	0/33.77
POLY-3 PERCENT (g)	2.6%	3%	0%	0%
TERMINAL (d)	0/20 (0%)	1/13 (8%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	693	727 (T)	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
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)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Heart: Pericardium Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/38.24	0/33.45	1/37.10	0/33.77
POLY-3 PERCENT (g)	0%	0%	2.7%	0%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	---	---	486	---
<b>STATISTICAL TESTS</b>				
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)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Intestine Small, Duodenum: Lymphatic Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/43 (0%)	0/48 (0%)	15/47 (32%)	14/48 (29%)
POLY-3 RATE (b)	0/34.68	0/32.22	15/39.92	14/38.93
POLY-3 PERCENT (g)	0%	0%	37.6%	36%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	6/17 (35%)	2/12 (17%)
FIRST INCIDENCE	---	---	367	190
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	(e)	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P<0.001**	P<0.001**

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Intestine Small, Jejunum: Lymphatic Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/40 (0%)	2/39 (5%)	27/40 (68%)	41/42 (98%)
POLY-3 RATE (b)	0/32.08	2/27.22	27/35.36	41/41.98
POLY-3 PERCENT (g)	0%	7.4%	76.4%	97.7%
TERMINAL (d)	0/20 (0%)	1/13 (8%)	15/17 (88%)	12/12 (100%)
FIRST INCIDENCE	---	441	367	190
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.201	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.214	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.181	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.241	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.072	P<0.001**	P<0.001**

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Islets, Pancreatic Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	6/50 (12%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	3/38.74	6/35.20	1/36.48	3/33.77
POLY-3 PERCENT (g)	7.7%	17%	2.7%	8.9%
TERMINAL (d)	2/20 (10%)	3/13 (23%)	0/17 (0%)	3/12 (25%)
FIRST INCIDENCE	575	191	706	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.427N	P=0.192	P=0.326N	P=0.598
POLY 1.5	P=0.398N	P=0.220	P=0.312N	P=0.628
POLY 6	P=0.473N	P=0.153	P=0.347N	P=0.554
COCH-ARM / FISHERS	P=0.367N	P=0.243	P=0.309N	P=0.661N
MAX-ISO-POLY-3	P=0.293N	P=0.120	P=0.175N	P=0.433

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Kidney</b>				
<b>Nephropathy</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	50/50 (100%)	49/50 (98%)	49/50 (98%)	50/50 (100%)
<b>POLY-3 RATE (b)</b>	50/50.00	49/50.00	49/49.13	50/50.00
<b>POLY-3 PERCENT (g)</b>	100%	98%	99.7%	100%
<b>TERMINAL (d)</b>	20/20 (100%)	12/13 (92%)	17/17 (100%)	12/12 (100%)
<b>FIRST INCIDENCE</b>	188	191	423	190
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.576	P=0.500N	P=1.000N	(e)
<b>POLY 1.5</b>	P=0.586	P=0.500N	P=0.962N	(e)
<b>POLY 6</b>	P=0.570	P=0.500N	P=1.000N	(e)
<b>COCH-ARM / FISHERS</b>	P=0.595	P=0.500N	P=0.500N	(e)
<b>MAX-ISO-POLY-3</b>	P=0.390	P=0.159N	P=0.161N	(e)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Lacrimal Gland Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/1 (100%)	2/2 (100%)	4/4 (100%)	0/0 (0%)
POLY-3 RATE (b)	1/1.00	2/2.00	4/4.00	0/0.00
POLY-3 PERCENT (g)	100%	100%	100%	0%
TERMINAL (d)	0/0 (0%)	1/1 (100%)	1/1 (100%)	0/0 (0%)
FIRST INCIDENCE	575	505	587	---
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Liver				
Angiectasis				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/38.24	0/33.45	0/36.40	0/33.77
POLY-3 PERCENT (g)	2.6%	0%	0%	0%
TERMINAL (d)	1/20 (5%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	727 (T)	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
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)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Liver				
Basophilic Focus				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	0/50 (0%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	3/38.54	0/33.45	3/36.66	1/34.14
POLY-3 PERCENT (g)	7.8%	0%	8.2%	2.9%
TERMINAL (d)	2/20 (10%)	0/13 (0%)	2/17 (12%)	0/12 (0%)
FIRST INCIDENCE	645	---	657	621
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.384N	P=0.145N	P=0.641	P=0.349N
POLY 1.5	P=0.379N	P=0.131N	P=0.656	P=0.329N
POLY 6	P=0.393N	P=0.169N	P=0.617	P=0.378N
COCH-ARM / FISHERS	P=0.373N	P=0.121N	P=0.661N	P=0.309N
MAX-ISO-POLY-3	P=0.292N	P=0.061N	P=0.474	P=0.197N

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Liver</b>				
<b>Cholangiofibrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	0/38.24	1/33.45	3/37.72	1/33.79
POLY-3 PERCENT (g)	0%	3%	8%	3%
TERMINAL (d)	0/20 (0%)	1/13 (8%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	---	727 (T)	486	722
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.292	P=0.473	P=0.115	P=0.475
POLY 1.5	P=0.318	P=0.487	P=0.119	P=0.486
POLY 6	P=0.256	P=0.452	P=0.109	P=0.459
COCH-ARM / FISHERS	P=0.351	P=0.500	P=0.121	P=0.500
MAX-ISO-POLY-3	P=0.177	P=0.158	P=0.037*	P=0.158

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Liver				
Clear Cell Focus				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	14/50 (28%)	13/50 (26%)	18/50 (36%)	9/50 (18%)
POLY-3 RATE (b)	14/38.47	13/35.81	18/37.36	9/34.67
POLY-3 PERCENT (g)	36.4%	36.3%	48.2%	26%
TERMINAL (d)	13/20 (65%)	9/13 (69%)	15/17 (88%)	6/12 (50%)
FIRST INCIDENCE	666	441	503	621
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.248N	P=0.595N	P=0.199	P=0.234N
POLY 1.5	P=0.215N	P=0.541N	P=0.240	P=0.203N
POLY 6	P=0.298N	P=0.514	P=0.142	P=0.283N
COCH-ARM / FISHERS	P=0.180N	P=0.500N	P=0.260	P=0.171N
MAX-ISO-POLY-3	P=0.163N	P=0.496N	P=0.142	P=0.175N

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Liver				
Eosinophilic Focus				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	10/50 (20%)	12/50 (24%)	10/50 (20%)	6/50 (12%)
POLY-3 RATE (b)	10/39.36	12/35.14	10/36.79	6/35.16
POLY-3 PERCENT (g)	25.4%	34.1%	27.2%	17.1%
TERMINAL (d)	7/20 (35%)	7/13 (54%)	7/17 (41%)	2/12 (17%)
FIRST INCIDENCE	539	559	657	534
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.169N	P=0.280	P=0.534	P=0.275N
POLY 1.5	P=0.146N	P=0.341	P=0.576	P=0.242N
POLY 6	P=0.209N	P=0.197	P=0.471	P=0.325N
COCH-ARM / FISHERS	P=0.123N	P=0.405	P=0.598N	P=0.207N
MAX-ISO-POLY-3	P=0.184N	P=0.213	P=0.430	P=0.202N

---

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Liver</b>				
<b>Hepatodiaphragmatic Nodule</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/38.47	0/33.45	1/36.40	1/34.60
POLY-3 PERCENT (g)	5.2%	0%	2.8%	2.9%
TERMINAL (d)	1/20 (5%)	0/13 (0%)	1/17 (6%)	0/12 (0%)
FIRST INCIDENCE	666	---	727 (T)	401
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.494N	P=0.269N	P=0.519N	P=0.537N
POLY 1.5	P=0.496N	P=0.253N	P=0.506N	P=0.520N
POLY 6	P=0.492N	P=0.296N	P=0.539N	P=0.564N
COCH-ARM / FISHERS	P=0.500N	P=0.247N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.337N	P=0.105N	P=0.301N	P=0.320N

---



Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Liver				
Mixed Cell Focus				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	2/50 (4%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	4/38.57	2/33.45	1/37.10	2/33.77
POLY-3 PERCENT (g)	10.4%	6%	2.7%	5.9%
TERMINAL (d)	3/20 (15%)	2/13 (15%)	0/17 (0%)	2/12 (17%)
FIRST INCIDENCE	634	727 (T)	482	727 (T)
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.273N	P=0.404N	P=0.188N	P=0.399N
POLY 1.5	P=0.268N	P=0.370N	P=0.180N	P=0.370N
POLY 6	P=0.283N	P=0.460N	P=0.202N	P=0.443N
COCH-ARM / FISHERS	P=0.263N	P=0.339N	P=0.181N	P=0.339N
MAX-ISO-POLY-3	P=0.252N	P=0.266N	P=0.093N	P=0.261N

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Liver Necrosis				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	3/50 (6%)	5/50 (10%)	7/50 (14%)
POLY-3 RATE (b)	3/38.56	3/34.32	5/38.33	7/37.85
POLY-3 PERCENT (g)	7.8%	8.7%	13%	18.5%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	685	617	558	258
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.078	P=0.609	P=0.351	P=0.145
POLY 1.5	P=0.080	P=0.636	P=0.359	P=0.153
POLY 6	P=0.074	P=0.566	P=0.340	P=0.130
COCH-ARM / FISHERS	P=0.078	P=0.661N	P=0.357	P=0.159
MAX-ISO-POLY-3	P=0.115	P=0.443	P=0.226	P=0.082

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Liver: Bile Duct Cyst				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	0/38.24	0/33.45	2/36.55	5/34.43
POLY-3 PERCENT (g)	0%	0%	5.5%	14.5%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	2/12 (17%)
FIRST INCIDENCE	---	---	706	645
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.002**	(e)	P=0.226	P=0.021*
POLY 1.5	P=0.002**	(e)	P=0.234	P=0.025*
POLY 6	P<0.001**	(e)	P=0.216	P=0.017*
COCH-ARM / FISHERS	P=0.003**	(e)	P=0.247	P=0.028*
MAX-ISO-POLY-3	P=0.003**	(e)	P=0.075	P=0.009**

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Liver: Bile Duct Fibrosis				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/39.38	0/33.45	1/37.10	1/33.80
POLY-3 PERCENT (g)	5.1%	0%	2.7%	3%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	197	---	486	720
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.497N	P=0.275N	P=0.521N	P=0.553N
POLY 1.5	P=0.498N	P=0.257N	P=0.509N	P=0.531N
POLY 6	P=0.497N	P=0.303N	P=0.538N	P=0.584N
COCH-ARM / FISHERS	P=0.500N	P=0.247N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.360N	P=0.111N	P=0.302N	P=0.337N

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Liver: Bile Duct Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/50 (14%)	4/50 (8%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	7/38.60	4/33.92	3/36.86	3/34.52
POLY-3 PERCENT (g)	18.1%	11.8%	8.1%	8.7%
TERMINAL (d)	3/20 (15%)	2/13 (15%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	685	661	657	589
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.134N	P=0.336N	P=0.172N	P=0.201N
POLY 1.5	P=0.129N	P=0.297N	P=0.160N	P=0.181N
POLY 6	P=0.144N	P=0.402N	P=0.190N	P=0.234N
COCH-ARM / FISHERS	P=0.124N	P=0.262N	P=0.159N	P=0.159N
MAX-ISO-POLY-3	P=0.172N	P=0.240N	P=0.103N	P=0.132N

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Lung				
Foreign Body				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/37.28	1/33.60	1/36.85	0/33.77
POLY-3 PERCENT (g)	0%	3%	2.7%	0%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	---	689	593	---
<hr/>				
<b>STATISTICAL TESTS</b>				
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)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Lung</b>				
<b>Hemorrhage Focal</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	3/49 (6%)	3/50 (6%)	7/50 (14%)	7/50 (14%)
POLY-3 RATE (b)	3/37.92	3/34.23	7/38.27	7/36.43
POLY-3 PERCENT (g)	7.9%	8.8%	18.3%	19.2%
TERMINAL (d)	1/20 (5%)	0/13 (0%)	2/17 (12%)	1/12 (8%)
FIRST INCIDENCE	634	637	499	462
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.067	P=0.616	P=0.156	P=0.136
POLY 1.5	P=0.073	P=0.644	P=0.165	P=0.149
POLY 6	P=0.060	P=0.570	P=0.143	P=0.118
COCH-ARM / FISHERS	P=0.080	P=0.651N	P=0.167	P=0.167
MAX-ISO-POLY-3	P=0.105	P=0.449	P=0.088	P=0.080

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Lung</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	17/49 (35%)	21/50 (42%)	24/50 (48%)	23/50 (46%)
<b>POLY-3 RATE (b)</b>	17/40.20	21/39.74	24/42.73	23/39.94
<b>POLY-3 PERCENT (g)</b>	42.3%	52.8%	56.2%	57.6%
<b>TERMINAL (d)</b>	8/20 (40%)	4/13 (31%)	7/17 (41%)	5/12 (42%)
<b>FIRST INCIDENCE</b>	444	382	468	462
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.108	P=0.228	P=0.140	P=0.116
<b>POLY 1.5</b>	P=0.121	P=0.262	P=0.141	P=0.134
<b>POLY 6</b>	P=0.103	P=0.187	P=0.141	P=0.105
<b>COCH-ARM / FISHERS</b>	P=0.154	P=0.295	P=0.127	P=0.173
<b>MAX-ISO-POLY-3</b>	P=0.124	P=0.167	P=0.101	P=0.079

---



Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Lung: Alveolus Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	19/49 (39%)	22/50 (44%)	19/50 (38%)	13/50 (26%)
POLY-3 RATE (b)	19/41.91	22/38.61	19/41.68	13/37.18
POLY-3 PERCENT (g)	45.3%	57%	45.6%	35%
TERMINAL (d)	7/20 (35%)	10/13 (77%)	7/17 (41%)	4/12 (33%)
FIRST INCIDENCE	438	382	367	190
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.119N	P=0.197	P=0.580	P=0.234N
POLY 1.5	P=0.082N	P=0.278	P=0.550N	P=0.171N
POLY 6	P=0.207N	P=0.106	P=0.496	P=0.352N
COCH-ARM / FISHERS	P=0.063N	P=0.373	P=0.551N	P=0.126N
MAX-ISO-POLY-3	P=0.129N	P=0.149	P=0.490	P=0.183N

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Lung: Alveolus Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/37.29	2/34.43	1/37.01	1/33.94
POLY-3 PERCENT (g)	2.7%	5.8%	2.7%	3%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	726	559	531	683
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.555N	P=0.472	P=0.760	P=0.740
POLY 1.5	P=0.541N	P=0.490	P=0.757N	P=0.752
POLY 6	P=0.576N	P=0.444	P=0.752	P=0.723
COCH-ARM / FISHERS	P=0.525N	P=0.508	P=0.747N	P=0.747N
MAX-ISO-POLY-3	P=0.601N	P=0.265	P=0.497	P=0.473

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Lymph Node, Mesenteric: Lymphatic Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	0/38.24	0/33.45	1/37.10	5/36.48
POLY-3 PERCENT (g)	0%	0%	2.7%	13.7%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	---	---	486	258
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	(e)	P=0.494	P=0.025*
POLY 1.5	P<0.001**	(e)	P=0.499	P=0.028*
POLY 6	P<0.001**	(e)	P=0.486	P=0.022*
COCH-ARM / FISHERS	P=0.002**	(e)	P=0.500	P=0.028*
MAX-ISO-POLY-3	P=0.002**	(e)	P=0.158	P=0.009**

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Lymph Node: Lumbar Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/4 (0%)	0/8 (0%)	2/8 (25%)	0/6 (0%)
POLY-3 RATE (b)	0/3.00	0/5.82	2/5.52	0/3.37
POLY-3 PERCENT (g)	0%	0%	36.2%	0%
TERMINAL (d)	0/2 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	706	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.492	(e)	P=0.363	(e)
POLY 1.5	P=0.570	(e)	P=0.379	(e)
POLY 6	P=0.367	(e)	P=0.342	(e)
COCH-ARM / FISHERS	P=0.647	(e)	P=0.424	(e)
MAX-ISO-POLY-3	P=0.308	(e)	P=0.140	(e)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Lymph Node: Mediastinal Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/4 (25%)	2/8 (25%)	3/8 (38%)	1/6 (17%)
POLY-3 RATE (b)	1/3.30	2/6.03	3/6.80	1/3.37
POLY-3 PERCENT (g)	30.3%	33.2%	44.1%	29.7%
TERMINAL (d)	0/2 (0%)	1/1 (100%)	0/0 (0%)	1/1 (100%)
FIRST INCIDENCE	645	671	486	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.557	P=0.732	P=0.599	P=0.780N
POLY 1.5	P=0.586N	P=0.743	P=0.596	P=0.727N
POLY 6	P=0.460	P=0.688	P=0.585	P=0.713
COCH-ARM / FISHERS	P=0.510N	P=0.745N	P=0.594	P=0.667N
MAX-ISO-POLY-3	P=0.648	P=0.469	P=0.366	P=0.493N

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Lymph Node: Renal Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/4 (50%)	0/8 (0%)	0/8 (0%)	0/6 (0%)
POLY-3 RATE (b)	2/3.00	0/5.82	0/5.37	0/3.37
POLY-3 PERCENT (g)	66.8%	0%	0%	0%
TERMINAL (d)	2/2 (100%)	0/1 (0%)	0/0 (0%)	0/1 (0%)
FIRST INCIDENCE	727 (T)	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.018N*	P=0.038N*	P=0.046N*	P=0.122N
POLY 1.5	P=0.026N*	P=0.043N*	P=0.049N*	P=0.108N
POLY 6	P=0.008N**	P=0.036N*	P=0.046N*	P=0.163N
COCH-ARM / FISHERS	P=0.071N	P=0.091N	P=0.091N	P=0.133N
MAX-ISO-POLY-3	P<0.001N**	P=0.006N**	P=0.007N**	P=0.017N*

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Lymph Node: Renal Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/4 (25%)	2/8 (25%)	0/8 (0%)	0/6 (0%)
POLY-3 RATE (b)	1/3.70	2/6.16	0/5.37	0/3.37
POLY-3 PERCENT (g)	27%	32.5%	0%	0%
TERMINAL (d)	0/2 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)
FIRST INCIDENCE	485	671	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.156N	P=0.697	P=0.419N	P=0.519N
POLY 1.5	P=0.139N	P=0.719	P=0.390N	P=0.472N
POLY 6	P=0.224N	P=0.654	P=0.459N	P=0.583N
COCH-ARM / FISHERS	P=0.124N	P=0.745N	P=0.333N	P=0.400N
MAX-ISO-POLY-3	P=0.252N	P=0.434	P=0.097N	P=0.193N

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Mammary Gland Hyperplasia</b>				
<b>LESION RATES</b>				
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	---	---	---	---
<b>STATISTICAL TESTS</b>				
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)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Nose				
Foreign Body				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	12/50 (24%)	11/50 (22%)	10/50 (20%)
POLY-3 RATE (b)	4/38.27	12/36.93	11/39.63	10/36.17
POLY-3 PERCENT (g)	10.5%	32.5%	27.8%	27.7%
TERMINAL (d)	3/20 (15%)	2/13 (15%)	5/17 (29%)	3/12 (25%)
FIRST INCIDENCE	720	489	367	531
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.108	P=0.017*	P=0.046*	P=0.051
POLY 1.5	P=0.126	P=0.021*	P=0.048*	P=0.059
POLY 6	P=0.090	P=0.013*	P=0.043*	P=0.042*
COCH-ARM / FISHERS	P=0.155	P=0.027*	P=0.045*	P=0.074
MAX-ISO-POLY-3	P=0.047*	P=0.009**	P=0.026*	P=0.029*

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Nose</b>				
<b>Inflammation Chronic</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	11/50 (22%)	15/50 (30%)	16/50 (32%)	15/50 (30%)
POLY-3 RATE (b)	11/39.16	15/37.64	16/40.55	15/36.44
POLY-3 PERCENT (g)	28.1%	39.9%	39.5%	41.2%
TERMINAL (d)	6/20 (30%)	3/13 (23%)	5/17 (29%)	6/12 (50%)
FIRST INCIDENCE	631	489	367	531
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.170	P=0.192	P=0.197	P=0.164
POLY 1.5	P=0.204	P=0.219	P=0.201	P=0.197
POLY 6	P=0.131	P=0.160	P=0.190	P=0.124
COCH-ARM / FISHERS	P=0.254	P=0.247	P=0.184	P=0.247
MAX-ISO-POLY-3	P=0.198	P=0.136	P=0.141	P=0.117

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Nose: Olfactory Epithelium Atrophy</b>				
<b>LESION RATES</b>				
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	---	---	---	---
<b>STATISTICAL TESTS</b>				
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)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Nose: Respiratory Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	2/50 (4%)	4/50 (8%)	7/50 (14%)
POLY-3 RATE (b)	2/38.40	2/34.03	4/37.55	7/35.85
POLY-3 PERCENT (g)	5.2%	5.9%	10.7%	19.5%
TERMINAL (d)	1/20 (5%)	0/13 (0%)	0/17 (0%)	2/12 (17%)
FIRST INCIDENCE	684	648	593	531
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.020*	P=0.651	P=0.325	P=0.060
POLY 1.5	P=0.022*	P=0.673	P=0.335	P=0.067
POLY 6	P=0.018*	P=0.616	P=0.312	P=0.051
COCH-ARM / FISHERS	P=0.026*	P=0.691N	P=0.339	P=0.080
MAX-ISO-POLY-3	P=0.031*	P=0.452	P=0.192	P=0.031*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Nose: Respiratory Epithelium Metaplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/38.24	0/33.45	2/36.63	0/33.77
POLY-3 PERCENT (g)	0%	0%	5.5%	0%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	1/17 (6%)	0/12 (0%)
FIRST INCIDENCE	---	---	666	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.542	(e)	P=0.227	(e)
POLY 1.5	P=0.566	(e)	P=0.234	(e)
POLY 6	P=0.507	(e)	P=0.217	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.267	(e)	P=0.075	(e)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Oral Mucosa Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/38.24	1/33.84	2/36.88	1/33.87
POLY-3 PERCENT (g)	0%	3%	5.4%	3%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	1/17 (6%)	0/12 (0%)
FIRST INCIDENCE	---	617	583	701
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.316	P=0.476	P=0.228	P=0.476
POLY 1.5	P=0.338	P=0.488	P=0.235	P=0.487
POLY 6	P=0.284	P=0.457	P=0.219	P=0.460
COCH-ARM / FISHERS	P=0.366	P=0.500	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.245	P=0.158	P=0.075	P=0.158

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Pancreas: Acinus Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	1/38.24	1/33.55	0/36.40	2/34.23
POLY-3 PERCENT (g)	2.6%	3%	0%	5.8%
TERMINAL (d)	1/20 (5%)	0/13 (0%)	0/17 (0%)	1/12 (8%)
FIRST INCIDENCE	727 (T)	703	---	575
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.348	P=0.732	P=0.510N	P=0.461
POLY 1.5	P=0.355	P=0.746	P=0.503N	P=0.477
POLY 6	P=0.336	P=0.707	P=0.520N	P=0.437
COCH-ARM / FISHERS	P=0.360	P=0.753N	P=0.500N	P=0.492
MAX-ISO-POLY-3	P=0.261	P=0.464	P=0.170N	P=0.258

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Pancreas: Acinus Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	16/50 (32%)	10/50 (20%)	14/50 (28%)	10/49 (20%)
POLY-3 RATE (b)	16/40.76	10/35.91	14/37.80	10/35.16
POLY-3 PERCENT (g)	39.3%	27.8%	37%	28.4%
TERMINAL (d)	7/20 (35%)	4/13 (31%)	9/17 (53%)	5/12 (42%)
FIRST INCIDENCE	575	489	593	534
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.253N	P=0.203N	P=0.512N	P=0.223N
POLY 1.5	P=0.215N	P=0.158N	P=0.449N	P=0.175N
POLY 6	P=0.333N	P=0.297N	P=0.581	P=0.317N
COCH-ARM / FISHERS	P=0.189N	P=0.127N	P=0.414N	P=0.140N
MAX-ISO-POLY-3	P=0.269N	P=0.155N	P=0.419N	P=0.172N

---



Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Pancreas: Artery Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	22/50 (44%)	32/50 (64%)	27/50 (54%)	21/49 (43%)
POLY-3 RATE (b)	22/42.37	32/41.28	27/41.53	21/38.77
POLY-3 PERCENT (g)	51.9%	77.5%	65%	54.2%
TERMINAL (d)	7/20 (35%)	9/13 (69%)	12/17 (71%)	7/12 (58%)
FIRST INCIDENCE	444	505	499	412
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.388N	P=0.008**	P=0.149	P=0.508
POLY 1.5	P=0.313N	P=0.015*	P=0.186	P=0.571
POLY 6	P=0.527N	P=0.005**	P=0.111	P=0.408
COCH-ARM / FISHERS	P=0.271N	P=0.035*	P=0.212	P=0.535N
MAX-ISO-POLY-3	P=0.145	P=0.004**	P=0.103	P=0.418

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Parathyroid Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/43 (7%)	10/46 (22%)	13/50 (26%)	8/47 (17%)
POLY-3 RATE (b)	3/32.26	10/34.75	13/41.85	8/34.70
POLY-3 PERCENT (g)	9.3%	28.8%	31.1%	23.1%
TERMINAL (d)	1/15 (7%)	1/13 (8%)	0/17 (0%)	1/12 (8%)
FIRST INCIDENCE	685	533	468	575
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.196	P=0.040*	P=0.022*	P=0.114
POLY 1.5	P=0.206	P=0.044*	P=0.019*	P=0.120
POLY 6	P=0.193	P=0.036*	P=0.027*	P=0.109
COCH-ARM / FISHERS	P=0.220	P=0.046*	P=0.014*	P=0.129
MAX-ISO-POLY-3	P=0.059	P=0.021*	P=0.017*	P=0.064

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Pituitary Gland: Pars Distalis Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	17/50 (34%)	18/49 (37%)	19/50 (38%)	12/47 (26%)
POLY-3 RATE (b)	17/40.82	18/37.87	19/39.68	12/34.21
POLY-3 PERCENT (g)	41.7%	47.5%	47.9%	35.1%
TERMINAL (d)	10/20 (50%)	7/13 (54%)	11/17 (65%)	4/12 (33%)
FIRST INCIDENCE	450	382	482	534
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.298N	P=0.379	P=0.364	P=0.363N
POLY 1.5	P=0.249N	P=0.430	P=0.404	P=0.310N
POLY 6	P=0.362N	P=0.301	P=0.306	P=0.430N
COCH-ARM / FISHERS	P=0.191N	P=0.470	P=0.418	P=0.246N
MAX-ISO-POLY-3	P=0.304N	P=0.300	P=0.284	P=0.290N

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Preputial Gland Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/50 (14%)	0/50 (0%)	3/49 (6%)	5/50 (10%)
POLY-3 RATE (b)	7/39.58	0/33.45	3/36.02	5/35.50
POLY-3 PERCENT (g)	17.7%	0%	8.3%	14.1%
TERMINAL (d)	3/20 (15%)	0/13 (0%)	1/16 (6%)	0/12 (0%)
FIRST INCIDENCE	505	---	624	519
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.544N	P=0.013N*	P=0.194N	P=0.456N
POLY 1.5	P=0.549N	P=0.010N**	P=0.176N	P=0.422N
POLY 6	P=0.539N	P=0.021N*	P=0.223N	P=0.504N
COCH-ARM / FISHERS	P=0.555N	P=0.006N**	P=0.167N	P=0.380N
MAX-ISO-POLY-3	P=0.128N	P=0.008N**	P=0.124N	P=0.343N

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Preputial Gland Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/38.46	0/33.45	0/35.40	1/34.14
POLY-3 PERCENT (g)	5.2%	0%	0%	2.9%
TERMINAL (d)	1/20 (5%)	0/13 (0%)	0/16 (0%)	0/12 (0%)
FIRST INCIDENCE	669	---	---	621
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.442N	P=0.269N	P=0.255N	P=0.542N
POLY 1.5	P=0.450N	P=0.252N	P=0.246N	P=0.523N
POLY 6	P=0.432N	P=0.296N	P=0.269N	P=0.568N
COCH-ARM / FISHERS	P=0.462N	P=0.247N	P=0.253N	P=0.500N
MAX-ISO-POLY-3	P=0.186N	P=0.105N	P=0.092N	P=0.324N

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Prostate Fibrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/50 (6%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/38.39	3/34.03	2/36.94	1/33.87
POLY-3 PERCENT (g)	2.6%	8.8%	5.4%	3%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	689	637	587	701
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.528N	P=0.262	P=0.487	P=0.733
POLY 1.5	P=0.503N	P=0.283	P=0.497	P=0.746
POLY 6	P=0.565N	P=0.232	P=0.472	P=0.713
COCH-ARM / FISHERS	P=0.474N	P=0.309	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.452	P=0.138	P=0.272	P=0.466

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Prostate Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	4/50 (8%)	7/50 (14%)	3/50 (6%)
POLY-3 RATE (b)	3/38.24	4/34.09	7/37.71	3/33.85
POLY-3 PERCENT (g)	7.9%	11.7%	18.6%	8.9%
TERMINAL (d)	3/20 (15%)	2/13 (15%)	4/17 (24%)	2/12 (17%)
FIRST INCIDENCE	727 (T)	616	423	706
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.466	P=0.437	P=0.146	P=0.606
POLY 1.5	P=0.505	P=0.468	P=0.157	P=0.632
POLY 6	P=0.408	P=0.389	P=0.132	P=0.568
COCH-ARM / FISHERS	P=0.551	P=0.500	P=0.159	P=0.661N
MAX-ISO-POLY-3	P=0.360	P=0.299	P=0.083	P=0.440

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Prostate Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	6/50 (12%)	0/50 (0%)	6/50 (12%)
POLY-3 RATE (b)	1/38.36	6/35.58	0/36.40	6/35.37
POLY-3 PERCENT (g)	2.6%	16.9%	0%	17%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	2/12 (17%)
FIRST INCIDENCE	695	505	---	532
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.085	P=0.042*	P=0.511N	P=0.041*
POLY 1.5	P=0.096	P=0.049*	P=0.503N	P=0.047*
POLY 6	P=0.071	P=0.034*	P=0.521N	P=0.034*
COCH-ARM / FISHERS	P=0.113	P=0.056	P=0.500N	P=0.056
MAX-ISO-POLY-3	P=0.024*	P=0.020*	P=0.171N	P=0.020*



Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Salivary Glands Metaplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/49 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/38.24	1/33.59	0/35.51	2/33.77
POLY-3 PERCENT (g)	0%	3%	0%	5.9%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	2/12 (17%)
FIRST INCIDENCE	---	692	---	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.123	P=0.474	(e)	P=0.210
POLY 1.5	P=0.131	P=0.487	(e)	P=0.222
POLY 6	P=0.112	P=0.454	(e)	P=0.193
COCH-ARM / FISHERS	P=0.140	P=0.500	(e)	P=0.247
MAX-ISO-POLY-3	P=0.077	P=0.158	(e)	P=0.075

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Seminal Vesicle Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/37.27	0/33.45	0/36.40	2/34.26
POLY-3 PERCENT (g)	0%	0%	0%	5.8%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	---	---	---	589
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.044*	(e)	(e)	P=0.218
POLY 1.5	P=0.045*	(e)	(e)	P=0.228
POLY 6	P=0.043*	(e)	(e)	P=0.204
COCH-ARM / FISHERS	P=0.047*	(e)	(e)	P=0.253
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	P=0.076

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Skin</b>				
<b>Cyst Epithelial Inclusion</b>				
<hr/>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	5/50 (10%)	3/50 (6%)	2/50 (4%)	2/50 (4%)
<b>POLY-3 RATE (b)</b>	5/39.23	3/33.74	2/36.87	2/34.44
<b>POLY-3 PERCENT (g)</b>	12.8%	8.9%	5.4%	5.8%
<b>TERMINAL (d)</b>	2/20 (10%)	2/13 (15%)	1/17 (6%)	0/12 (0%)
<b>FIRST INCIDENCE</b>	505	648	587	532
<hr/>				
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.173N	P=0.441N	P=0.239N	P=0.270N
<b>POLY 1.5</b>	P=0.165N	P=0.398N	P=0.224N	P=0.245N
<b>POLY 6</b>	P=0.188N	P=0.508N	P=0.263N	P=0.308N
<b>COCH-ARM / FISHERS</b>	P=0.157N	P=0.357N	P=0.218N	P=0.218N
<b>MAX-ISO-POLY-3</b>	P=0.236N	P=0.313N	P=0.141N	P=0.171N

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Skin</b>				
<b>Inflammation</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	3/38.41	2/34.74	0/36.40	2/33.77
POLY-3 PERCENT (g)	7.8%	5.8%	0%	5.9%
TERMINAL (d)	2/20 (10%)	0/13 (0%)	0/17 (0%)	2/12 (17%)
FIRST INCIDENCE	682	448	---	727 (T)
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.385N	P=0.546N	P=0.127N	P=0.559N
POLY 1.5	P=0.378N	P=0.522N	P=0.121N	P=0.532N
POLY 6	P=0.395N	P=0.585N	P=0.137N	P=0.598N
COCH-ARM / FISHERS	P=0.373N	P=0.500N	P=0.121N	P=0.500N
MAX-ISO-POLY-3	P=0.289N	P=0.370N	P=0.045N*	P=0.383N

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Skin</b>				
<b>Necrosis</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/38.24	2/34.55	0/36.40	0/33.77
POLY-3 PERCENT (g)	0%	5.8%	0%	0%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	---	448	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.440N	P=0.214	(e)	(e)
POLY 1.5	P=0.422N	P=0.226	(e)	(e)
POLY 6	P=0.466N	P=0.197	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.279N	P=0.075	(e)	(e)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Spinal Cord Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/0 (0%)	2/2 (100%)	1/1 (100%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	2/2.00	1/1.00	0/0.00
POLY-3 PERCENT (g)	0%	100%	100%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	637	711	---
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Spleen</b>				
<b>Hematopoietic Cell Proliferation</b>				
<hr/>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	28/50 (56%)	33/50 (66%)	28/50 (56%)	29/50 (58%)
<b>POLY-3 RATE (b)</b>	28/41.68	33/43.32	28/41.27	29/38.63
<b>POLY-3 PERCENT (g)</b>	67.2%	76.2%	67.8%	75.1%
<b>TERMINAL (d)</b>	17/20 (85%)	12/13 (92%)	13/17 (77%)	11/12 (92%)
<b>FIRST INCIDENCE</b>	421	191	423	401
<hr/>				
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.333	P=0.228	P=0.573	P=0.277
<b>POLY 1.5</b>	P=0.453	P=0.238	P=0.573N	P=0.379
<b>POLY 6</b>	P=0.185	P=0.196	P=0.493	P=0.154
<b>COCH-ARM / FISHERS</b>	P=0.481N	P=0.206	P=0.580N	P=0.500
<b>MAX-ISO-POLY-3</b>	P=0.328	P=0.162	P=0.471	P=0.202

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

CAS Number: 700-06-1

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Time Report Requested: 09:53:55

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Stomach, Forestomach Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	19/50 (38%)	19/50 (38%)	19/50 (38%)	22/50 (44%)
POLY-3 RATE (b)	19/41.81	19/40.31	19/39.96	22/39.74
POLY-3 PERCENT (g)	45.4%	47.1%	47.6%	55.4%
TERMINAL (d)	8/20 (40%)	5/13 (39%)	8/17 (47%)	6/12 (50%)
FIRST INCIDENCE	197	357	367	401
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.197	P=0.528	P=0.513	P=0.241
POLY 1.5	P=0.229	P=0.560	P=0.554	P=0.278
POLY 6	P=0.158	P=0.464	P=0.458	P=0.191
COCH-ARM / FISHERS	P=0.287	P=0.582N	P=0.582N	P=0.342
MAX-ISO-POLY-3	P=0.291	P=0.436	P=0.422	P=0.182

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Stomach, Forestomach Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	2/38.53	0/33.45	4/38.30	1/33.77
POLY-3 PERCENT (g)	5.2%	0%	10.4%	3%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	1/12 (8%)
FIRST INCIDENCE	685	---	546	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.582	P=0.269N	P=0.333	P=0.546N
POLY 1.5	P=0.596N	P=0.253N	P=0.340	P=0.525N
POLY 6	P=0.548	P=0.297N	P=0.322	P=0.577N
COCH-ARM / FISHERS	P=0.577N	P=0.247N	P=0.339	P=0.500N
MAX-ISO-POLY-3	P=0.355	P=0.106N	P=0.197	P=0.329N

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Stomach, Forestomach Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/39.34	1/34.21	1/37.27	1/33.80
POLY-3 PERCENT (g)	5.1%	2.9%	2.7%	3%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	197	456	367	720
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.427N	P=0.549N	P=0.519N	P=0.553N
POLY 1.5	P=0.420N	P=0.526N	P=0.508N	P=0.531N
POLY 6	P=0.439N	P=0.583N	P=0.536N	P=0.583N
COCH-ARM / FISHERS	P=0.409N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.497N	P=0.332N	P=0.300N	P=0.336N

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Stomach, Glandular: Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	5/50 (10%)	7/50 (14%)	3/50 (6%)
POLY-3 RATE (b)	2/38.24	5/35.04	7/37.65	3/34.38
POLY-3 PERCENT (g)	5.2%	14.3%	18.6%	8.7%
TERMINAL (d)	2/20 (10%)	1/13 (8%)	5/17 (29%)	1/12 (8%)
FIRST INCIDENCE	727 (T)	505	499	575
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.396	P=0.178	P=0.071	P=0.451
POLY 1.5	P=0.435	P=0.197	P=0.077	P=0.473
POLY 6	P=0.343	P=0.153	P=0.062	P=0.421
COCH-ARM / FISHERS	P=0.483	P=0.218	P=0.080	P=0.500
MAX-ISO-POLY-3	P=0.214	P=0.102	P=0.035*	P=0.290

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Stomach, Glandular: Epithelium Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	4/50 (8%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	3/40.17	4/34.70	2/37.07	1/33.87
POLY-3 PERCENT (g)	7.5%	11.5%	5.4%	3%
TERMINAL (d)	0/20 (0%)	1/13 (8%)	1/17 (6%)	0/12 (0%)
FIRST INCIDENCE	450	448	499	701
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.209N	P=0.420	P=0.537N	P=0.368N
POLY 1.5	P=0.187N	P=0.459	P=0.515N	P=0.340N
POLY 6	P=0.244N	P=0.364	P=0.566N	P=0.408N
COCH-ARM / FISHERS	P=0.162N	P=0.500	P=0.500N	P=0.309N
MAX-ISO-POLY-3	P=0.254N	P=0.289	P=0.361N	P=0.217N

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Stomach, Glandular: Epithelium Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/50 (14%)	12/50 (24%)	6/50 (12%)	10/50 (20%)
POLY-3 RATE (b)	7/40.40	12/38.66	6/39.15	10/37.28
POLY-3 PERCENT (g)	17.3%	31%	15.3%	26.8%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	444	454	499	496
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.337	P=0.118	P=0.525N	P=0.229
POLY 1.5	P=0.368	P=0.135	P=0.505N	P=0.256
POLY 6	P=0.304	P=0.097	P=0.553N	P=0.202
COCH-ARM / FISHERS	P=0.413	P=0.154	P=0.500N	P=0.298
MAX-ISO-POLY-3	P=0.265	P=0.078	P=0.404N	P=0.164

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Testes				
Atrophy				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	30/49 (61%)	37/50 (74%)	35/50 (70%)	33/50 (66%)
POLY-3 RATE (b)	30/41.42	37/42.80	35/42.98	33/42.16
POLY-3 PERCENT (g)	72.4%	86.4%	81.4%	78.3%
TERMINAL (d)	15/20 (75%)	11/13 (85%)	15/17 (88%)	8/12 (67%)
FIRST INCIDENCE	485	454	468	401
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.446	P=0.070	P=0.211	P=0.345
POLY 1.5	P=0.465	P=0.087	P=0.245	P=0.363
POLY 6	P=0.425	P=0.064	P=0.170	P=0.335
COCH-ARM / FISHERS	P=0.477	P=0.126	P=0.240	P=0.388
MAX-ISO-POLY-3	P=0.177	P=0.039*	P=0.141	P=0.251

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Testes: Artery				
Inflammation Chronic				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	28/49 (57%)	34/50 (68%)	33/50 (66%)	33/50 (66%)
POLY-3 RATE (b)	28/41.33	34/41.42	33/42.62	33/42.13
POLY-3 PERCENT (g)	67.7%	82.1%	77.4%	78.3%
TERMINAL (d)	14/20 (70%)	11/13 (85%)	13/17 (77%)	8/12 (67%)
FIRST INCIDENCE	444	454	499	412
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.227	P=0.082	P=0.207	P=0.181
POLY 1.5	P=0.241	P=0.120	P=0.238	P=0.198
POLY 6	P=0.233	P=0.052	P=0.178	P=0.179
COCH-ARM / FISHERS	P=0.278	P=0.182	P=0.242	P=0.242
MAX-ISO-POLY-3	P=0.135	P=0.047*	P=0.142	P=0.121

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Testes: Interstitial Cell Hyperplasia				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/37.27	0/33.45	1/36.40	2/33.79
POLY-3 PERCENT (g)	2.7%	0%	2.8%	5.9%
TERMINAL (d)	1/20 (5%)	0/13 (0%)	1/17 (6%)	1/12 (8%)
FIRST INCIDENCE	727 (T)	---	727 (T)	722
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.239	P=0.522N	P=0.756	P=0.466
POLY 1.5	P=0.244	P=0.509N	P=0.759N	P=0.485
POLY 6	P=0.230	P=0.542N	P=0.746	P=0.438
COCH-ARM / FISHERS	P=0.251	P=0.495N	P=0.747N	P=0.508
MAX-ISO-POLY-3	P=0.222	P=0.185N	P=0.493	P=0.262

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Thymus Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	41/46 (89%)	41/49 (84%)	42/49 (86%)	41/47 (87%)
POLY-3 RATE (b)	41/43.91	41/47.67	42/46.66	41/43.77
POLY-3 PERCENT (g)	93.4%	86%	90%	93.7%
TERMINAL (d)	17/19 (90%)	8/13 (62%)	14/17 (82%)	11/11 (100%)
FIRST INCIDENCE	197	357	367	258
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.392	P=0.202N	P=0.415N	P=0.666
POLY 1.5	P=0.482	P=0.235N	P=0.380N	P=0.618N
POLY 6	P=0.277	P=0.179N	P=0.479N	P=0.569
COCH-ARM / FISHERS	P=0.535N	P=0.319N	P=0.425N	P=0.515N
MAX-ISO-POLY-3	P=0.389	P=0.124N	P=0.269N	P=0.474

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Thymus: Epithelial Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/46 (2%)	0/49 (0%)	0/49 (0%)	0/47 (0%)
POLY-3 RATE (b)	1/34.86	0/32.89	0/36.01	0/31.51
POLY-3 PERCENT (g)	2.9%	0%	0%	0%
TERMINAL (d)	0/19 (0%)	0/13 (0%)	0/17 (0%)	0/11 (0%)
FIRST INCIDENCE	685	---	---	---
<b>STATISTICAL TESTS</b>				
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)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Thyroid Gland: C-Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/50 (12%)	4/46 (9%)	4/48 (8%)	5/47 (11%)
POLY-3 RATE (b)	6/39.64	4/31.66	4/35.15	5/32.80
POLY-3 PERCENT (g)	15.1%	12.6%	11.4%	15.3%
TERMINAL (d)	3/20 (15%)	1/13 (8%)	4/17 (24%)	3/12 (25%)
FIRST INCIDENCE	450	637	727 (T)	621
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.560	P=0.516N	P=0.446N	P=0.624
POLY 1.5	P=0.538N	P=0.471N	P=0.416N	P=0.591N
POLY 6	P=0.513	P=0.580N	P=0.488N	P=0.567
COCH-ARM / FISHERS	P=0.511N	P=0.425N	P=0.397N	P=0.544N
MAX-ISO-POLY-3	P=0.629	P=0.389N	P=0.325N	P=0.494

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Thyroid Gland: Follicular Cell Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	21/50 (42%)	34/46 (74%)	33/48 (69%)	36/47 (77%)
POLY-3 RATE (b)	21/43.27	34/41.66	33/41.33	36/45.11
POLY-3 PERCENT (g)	48.5%	81.6%	79.9%	79.8%
TERMINAL (d)	10/20 (50%)	11/13 (85%)	17/17 (100%)	7/12 (58%)
FIRST INCIDENCE	421	191	423	190
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.003**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P=0.002**	P<0.001**	P=0.003**	P<0.001**
POLY 6	P=0.005**	P<0.001**	P<0.001**	P=0.002**
COCH-ARM / FISHERS	P=0.002**	P<0.001**	P=0.007**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Adrenal Cortex Degeneration Cystic</b>				
<b>LESION RATES</b>				
OVERALL (a)	17/50 (34%)	12/50 (24%)	11/50 (22%)	15/48 (31%)
POLY-3 RATE (b)	17/39.84	12/39.58	11/37.91	15/41.57
POLY-3 PERCENT (g)	42.7%	30.3%	29%	36.1%
TERMINAL (d)	8/21 (38%)	6/19 (32%)	5/19 (26%)	12/30 (40%)
FIRST INCIDENCE	425	379	548	356
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.401N	P=0.175N	P=0.148N	P=0.349N
POLY 1.5	P=0.450N	P=0.185N	P=0.148N	P=0.406N
POLY 6	P=0.348N	P=0.168N	P=0.150N	P=0.293N
COCH-ARM / FISHERS	P=0.500N	P=0.189N	P=0.133N	P=0.470N
MAX-ISO-POLY-3	P=0.246N	P=0.122N	P=0.104N	P=0.275N

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Adrenal Cortex Degeneration Fatty</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/50 (10%)	3/50 (6%)	0/50 (0%)	1/48 (2%)
POLY-3 RATE (b)	5/37.79	3/36.81	0/35.70	1/40.27
POLY-3 PERCENT (g)	13.2%	8.2%	0%	2.5%
TERMINAL (d)	2/21 (10%)	2/19 (11%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	389	706	---	692
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.032N*	P=0.369N	P=0.034N*	P=0.086N
POLY 1.5	P=0.035N*	P=0.368N	P=0.033N*	P=0.098N
POLY 6	P=0.028N*	P=0.370N	P=0.036N*	P=0.073N
COCH-ARM / FISHERS	P=0.040N*	P=0.357N	P=0.028N*	P=0.112N
MAX-ISO-POLY-3	P=0.021N*	P=0.242N	P=0.013N*	P=0.042N*

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

CAS Number: 700-06-1

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Adrenal Cortex Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	18/50 (36%)	11/50 (22%)	18/50 (36%)	15/48 (31%)
POLY-3 RATE (b)	18/40.84	11/37.59	18/39.97	15/41.90
POLY-3 PERCENT (g)	44.1%	29.3%	45%	35.8%
TERMINAL (d)	8/21 (38%)	6/19 (32%)	5/19 (26%)	11/30 (37%)
FIRST INCIDENCE	389	616	516	416
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.387N	P=0.124N	P=0.556	P=0.291N
POLY 1.5	P=0.457N	P=0.112N	P=0.548	P=0.337N
POLY 6	P=0.318N	P=0.143N	P=0.569	P=0.249N
COCH-ARM / FISHERS	P=0.538N	P=0.093N	P=0.582N	P=0.389N
MAX-ISO-POLY-3	P=0.348N	P=0.090N	P=0.464	P=0.223N

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Adrenal Cortex Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/48 (2%)
POLY-3 RATE (b)	0/36.47	0/36.72	1/35.70	1/40.24
POLY-3 PERCENT (g)	0%	0%	2.8%	2.5%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	1/19 (5%)	0/30 (0%)
FIRST INCIDENCE	---	---	729 (T)	701
<b>STATISTICAL TESTS</b>				
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)

---



Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Adrenal Medulla Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	15/50 (30%)	13/50 (26%)	11/50 (22%)	12/48 (25%)
POLY-3 RATE (b)	15/39.23	13/37.67	11/36.99	12/40.17
POLY-3 PERCENT (g)	38.2%	34.5%	29.7%	29.9%
TERMINAL (d)	7/21 (33%)	7/19 (37%)	7/19 (37%)	11/30 (37%)
FIRST INCIDENCE	502	645	631	719
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.238N	P=0.458N	P=0.291N	P=0.289N
POLY 1.5	P=0.278N	P=0.444N	P=0.278N	P=0.327N
POLY 6	P=0.204N	P=0.481N	P=0.323N	P=0.259N
COCH-ARM / FISHERS	P=0.325N	P=0.412N	P=0.247N	P=0.372N
MAX-ISO-POLY-3	P=0.338N	P=0.366N	P=0.219N	P=0.218N

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Blood Vessel Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/50 (6%)	4/50 (8%)	7/50 (14%)
POLY-3 RATE (b)	1/36.60	3/37.10	4/36.03	7/40.54
POLY-3 PERCENT (g)	2.7%	8.1%	11.1%	17.3%
TERMINAL (d)	0/21 (0%)	2/19 (11%)	3/19 (16%)	6/30 (20%)
FIRST INCIDENCE	695	621	639	622
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.022*	P=0.309	P=0.171	P=0.041*
POLY 1.5	P=0.018*	P=0.305	P=0.172	P=0.033*
POLY 6	P=0.030*	P=0.314	P=0.167	P=0.052
COCH-ARM / FISHERS	P=0.016*	P=0.309	P=0.181	P=0.030*
MAX-ISO-POLY-3	P=0.029*	P=0.157	P=0.080	P=0.022*

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Blood Vessel Mineralization</b>				
<b>LESION RATES</b>				
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	---	---	---	---
<b>STATISTICAL TESTS</b>				
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)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Bone Marrow Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	21/50 (42%)	20/50 (40%)	23/50 (46%)	17/50 (34%)
POLY-3 RATE (b)	21/44.83	20/42.28	23/45.33	17/45.59
POLY-3 PERCENT (g)	46.8%	47.3%	50.7%	37.3%
TERMINAL (d)	2/21 (10%)	2/19 (11%)	2/19 (11%)	5/30 (17%)
FIRST INCIDENCE	288	335	160	175
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.191N	P=0.569	P=0.436	P=0.238N
POLY 1.5	P=0.225N	P=0.578N	P=0.424	P=0.262N
POLY 6	P=0.160N	P=0.558	P=0.444	P=0.213N
COCH-ARM / FISHERS	P=0.255N	P=0.500N	P=0.420	P=0.268N
MAX-ISO-POLY-3	P=0.231N	P=0.482	P=0.354	P=0.179N

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Bone</b>				
<b>Fibrous Osteodystrophy</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/36.47	1/37.12	1/36.27	0/40.16
POLY-3 PERCENT (g)	0%	2.7%	2.8%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	616	548	---
<hr/>				
<b>STATISTICAL TESTS</b>				
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)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Brain</b>				
<b>Gliososis</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/36.47	1/37.70	0/35.70	0/40.16
POLY-3 PERCENT (g)	0%	2.7%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	187	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
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)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Brain</b>				
<b>Necrosis</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/36.86	0/36.72	0/35.70	1/40.32
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	617	---	---	688
<hr/>				
<b>STATISTICAL TESTS</b>				
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)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Clitoral Gland Cyst				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	5/50 (10%)	2/50 (4%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	5/38.11	2/36.72	3/36.00	4/40.68
POLY-3 PERCENT (g)	13.1%	5.5%	8.3%	9.8%
TERMINAL (d)	3/21 (14%)	2/19 (11%)	2/19 (11%)	3/30 (10%)
FIRST INCIDENCE	373	729 (T)	646	571
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.499N	P=0.228N	P=0.386N	P=0.459N
POLY 1.5	P=0.525N	P=0.227N	P=0.380N	P=0.490N
POLY 6	P=0.461N	P=0.228N	P=0.395N	P=0.415N
COCH-ARM / FISHERS	P=0.537N	P=0.218N	P=0.357N	P=0.500N
MAX-ISO-POLY-3	P=0.351N	P=0.131N	P=0.259N	P=0.329N

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Clitoral Gland Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/36.47	0/36.72	0/35.70	2/40.16
POLY-3 PERCENT (g)	2.7%	0%	0%	5%
TERMINAL (d)	1/21 (5%)	0/19 (0%)	0/19 (0%)	2/30 (7%)
FIRST INCIDENCE	729 (T)	---	---	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.258	P=0.499N	P=0.504N	P=0.534
POLY 1.5	P=0.250	P=0.501N	P=0.504N	P=0.513
POLY 6	P=0.269	P=0.496N	P=0.506N	P=0.560
COCH-ARM / FISHERS	P=0.246	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.176	P=0.158N	P=0.163N	P=0.316

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Esophagus Inflammation</b>				
<b>LESION RATES</b>				
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	---	420	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.384N	P=0.245	(e)	(e)
POLY 1.5	P=0.398N	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)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Eye: Anterior Chamber				
Inflammation Acute				
<hr/>				
<b>LESION RATES</b>				
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	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
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)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Eye: Cornea				
Inflammation Acute				
<hr/>				
<b>LESION RATES</b>				
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	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
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)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Heart</b>				
<b>Cardiomyopathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	24/50 (48%)	24/50 (48%)	24/50 (48%)	24/49 (49%)
POLY-3 RATE (b)	24/39.77	24/40.20	24/38.80	24/43.45
POLY-3 PERCENT (g)	60.3%	59.7%	61.9%	55.2%
TERMINAL (d)	14/21 (67%)	13/19 (68%)	14/19 (74%)	17/30 (57%)
FIRST INCIDENCE	425	492	548	175
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.340N	P=0.571N	P=0.540	P=0.398N
POLY 1.5	P=0.456N	P=0.583	P=0.533	P=0.506N
POLY 6	P=0.221N	P=0.520N	P=0.552	P=0.280N
COCH-ARM / FISHERS	P=0.497	P=0.579N	P=0.579N	P=0.541
MAX-ISO-POLY-3	P=0.490N	P=0.474N	P=0.440	P=0.320N

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Heart: Atrium				
Thrombosis				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/36.47	1/36.81	0/35.70	0/40.14
POLY-3 PERCENT (g)	0%	2.7%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	706	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
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)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Heart: Epicardium Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/50 (6%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	1/37.28	3/38.69	0/35.70	1/41.12
POLY-3 PERCENT (g)	2.7%	7.8%	0%	2.4%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	422	313	---	197
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.388N	P=0.318	P=0.509N	P=0.739N
POLY 1.5	P=0.403N	P=0.311	P=0.507N	P=0.752N
POLY 6	P=0.367N	P=0.326	P=0.512N	P=0.722N
COCH-ARM / FISHERS	P=0.416N	P=0.309	P=0.500N	P=0.747
MAX-ISO-POLY-3	P=0.276N	P=0.166	P=0.169N	P=0.472N

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Heart: Pericardium Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/49 (0%)
POLY-3 RATE (b)	0/36.47	0/36.72	2/36.68	0/40.14
POLY-3 PERCENT (g)	0%	0%	5.5%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	1/19 (5%)	0/30 (0%)
FIRST INCIDENCE	---	---	189	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.655	(e)	P=0.237	(e)
POLY 1.5	P=0.623	(e)	P=0.237	(e)
POLY 6	P=0.692	(e)	P=0.236	(e)
COCH-ARM / FISHERS	P=0.591	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.272	(e)	P=0.076	(e)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Intestine Small, Duodenum: Lymphatic Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/48 (0%)	0/47 (0%)	16/48 (33%)	38/47 (81%)
POLY-3 RATE (b)	0/35.68	0/35.42	16/39.68	38/46.18
POLY-3 PERCENT (g)	0%	0%	40.3%	82.3%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	8/19 (42%)	24/30 (80%)
FIRST INCIDENCE	---	---	160	175
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	(e)	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P<0.001**	P<0.001**

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Intestine Small, Jejunum: Lymphatic Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/47 (0%)	0/46 (0%)	30/48 (63%)	47/48 (98%)
POLY-3 RATE (b)	0/35.52	0/34.34	30/41.75	47/48.00
POLY-3 PERCENT (g)	0%	0%	71.9%	97.9%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	16/19 (84%)	29/30 (97%)
FIRST INCIDENCE	---	---	160	175
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	(e)	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P<0.001**	P<0.001**

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Islets, Pancreatic Hyperplasia</b>				
<b>LESION RATES</b>				
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	---	---	---	---
<b>STATISTICAL TESTS</b>				
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)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Kidney Nephropathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	45/50 (90%)	41/50 (82%)	42/50 (84%)	43/48 (90%)
POLY-3 RATE (b)	45/48.17	41/45.85	42/45.52	43/47.49
POLY-3 PERCENT (g)	93.4%	89.4%	92.3%	90.6%
TERMINAL (d)	19/21 (91%)	16/19 (84%)	19/19 (100%)	28/30 (93%)
FIRST INCIDENCE	373	187	329	175
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.436N	P=0.365N	P=0.581N	P=0.443N
POLY 1.5	P=0.496N	P=0.277N	P=0.471N	P=0.472N
POLY 6	P=0.438N	P=0.467N	P=0.626	P=0.469N
COCH-ARM / FISHERS	P=0.464	P=0.194N	P=0.277N	P=0.603N
MAX-ISO-POLY-3	P=0.469N	P=0.236N	P=0.407N	P=0.298N

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Lacrimal Gland Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
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)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Liver</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	3/48 (6%)
POLY-3 RATE (b)	1/36.78	0/36.72	2/35.70	3/40.12
POLY-3 PERCENT (g)	2.7%	0%	5.6%	7.5%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	2/19 (11%)	3/30 (10%)
FIRST INCIDENCE	645	---	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.120	P=0.500N	P=0.490	P=0.336
POLY 1.5	P=0.108	P=0.501N	P=0.491	P=0.314
POLY 6	P=0.136	P=0.499N	P=0.483	P=0.363
COCH-ARM / FISHERS	P=0.095	P=0.500N	P=0.500	P=0.293
MAX-ISO-POLY-3	P=0.148	P=0.158N	P=0.273	P=0.188

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Liver				
Basophilic Focus				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	14/50 (28%)	6/50 (12%)	11/50 (22%)	14/48 (29%)
POLY-3 RATE (b)	14/37.51	6/37.20	11/37.48	14/41.53
POLY-3 PERCENT (g)	37.3%	16.1%	29.4%	33.7%
TERMINAL (d)	10/21 (48%)	2/19 (11%)	5/19 (26%)	7/30 (23%)
FIRST INCIDENCE	513	665	611	630
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.413	P=0.031N*	P=0.309N	P=0.460N
POLY 1.5	P=0.338	P=0.035N*	P=0.326N	P=0.549N
POLY 6	P=0.521	P=0.026N*	P=0.287N	P=0.347N
COCH-ARM / FISHERS	P=0.271	P=0.039N*	P=0.322N	P=0.538
MAX-ISO-POLY-3	P=0.248N	P=0.016N*	P=0.227N	P=0.373N

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Liver				
Cholangiofibrosis				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/36.47	1/36.72	0/35.70	0/40.12
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)	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
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)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Liver</b>				
<b>Clear Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/50 (12%)	7/50 (14%)	4/50 (8%)	18/48 (38%)
POLY-3 RATE (b)	6/36.47	7/36.76	4/35.71	18/40.41
POLY-3 PERCENT (g)	16.5%	19%	11.2%	44.6%
TERMINAL (d)	6/21 (29%)	6/19 (32%)	3/19 (16%)	16/30 (53%)
FIRST INCIDENCE	729 (T)	719	727	665
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.506	P=0.380N	P=0.006**
POLY 1.5	P<0.001**	P=0.498	P=0.381N	P=0.004**
POLY 6	P<0.001**	P=0.518	P=0.385N	P=0.010**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P=0.370N	P=0.003**
MAX-ISO-POLY-3	P<0.001**	P=0.384	P=0.261N	P=0.004**

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Liver</b>				
<b>Eosinophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	4/50 (8%)	5/50 (10%)	6/48 (13%)
POLY-3 RATE (b)	0/36.47	4/37.03	5/36.56	6/40.71
POLY-3 PERCENT (g)	0%	10.8%	13.7%	14.7%
TERMINAL (d)	0/21 (0%)	2/19 (11%)	3/19 (16%)	3/30 (10%)
FIRST INCIDENCE	---	664	596	645
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.038*	P=0.061	P=0.029*	P=0.021*
POLY 1.5	P=0.028*	P=0.060	P=0.029*	P=0.017*
POLY 6	P=0.055	P=0.062	P=0.029*	P=0.028*
COCH-ARM / FISHERS	P=0.021*	P=0.059	P=0.028*	P=0.012*
MAX-ISO-POLY-3	P=0.028*	P=0.020*	P=0.009**	P=0.010**

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Liver				
Hepatodiaphragmatic Nodule				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	3/50 (6%)	2/48 (4%)
POLY-3 RATE (b)	0/36.47	0/36.72	3/36.93	2/40.83
POLY-3 PERCENT (g)	0%	0%	8.1%	4.9%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	446	592
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.128	(e)	P=0.119	P=0.263
POLY 1.5	P=0.108	(e)	P=0.118	P=0.246
POLY 6	P=0.156	(e)	P=0.121	P=0.285
COCH-ARM / FISHERS	P=0.089	(e)	P=0.121	P=0.237
MAX-ISO-POLY-3	P=0.102	(e)	P=0.039*	P=0.102

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Liver</b>				
<b>Mixed Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/50 (10%)	1/50 (2%)	5/50 (10%)	4/48 (8%)
POLY-3 RATE (b)	5/36.47	1/36.72	5/36.51	4/40.41
POLY-3 PERCENT (g)	13.7%	2.7%	13.7%	9.9%
TERMINAL (d)	5/21 (24%)	1/19 (5%)	3/19 (16%)	2/30 (7%)
FIRST INCIDENCE	729 (T)	729 (T)	611	665
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.571N	P=0.097N	P=0.633N	P=0.435N
POLY 1.5	P=0.543	P=0.100N	P=0.626	P=0.479N
POLY 6	P=0.521N	P=0.092N	P=0.629N	P=0.383N
COCH-ARM / FISHERS	P=0.493	P=0.102N	P=0.630N	P=0.526N
MAX-ISO-POLY-3	P=0.396N	P=0.042N*	P=0.498N	P=0.313N

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Liver Necrosis				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/48 (0%)
POLY-3 RATE (b)	1/36.87	2/37.51	0/35.70	0/40.12
POLY-3 PERCENT (g)	2.7%	5.3%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	614	492	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.180N	P=0.506	P=0.506N	P=0.483N
POLY 1.5	P=0.188N	P=0.501	P=0.505N	P=0.495N
POLY 6	P=0.171N	P=0.511	P=0.510N	P=0.470N
COCH-ARM / FISHERS	P=0.194N	P=0.500	P=0.500N	P=0.510N
MAX-ISO-POLY-3	P=0.176N	P=0.286	P=0.166N	P=0.161N

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Liver: Bile Duct Cyst				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	2/50 (4%)	6/50 (12%)	6/48 (13%)
POLY-3 RATE (b)	4/36.47	2/36.81	6/36.18	6/40.12
POLY-3 PERCENT (g)	11%	5.4%	16.6%	15%
TERMINAL (d)	4/21 (19%)	1/19 (5%)	4/19 (21%)	6/30 (20%)
FIRST INCIDENCE	729 (T)	706	590	729 (T)
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.224	P=0.331N	P=0.361	P=0.430
POLY 1.5	P=0.192	P=0.337N	P=0.359	P=0.388
POLY 6	P=0.268	P=0.322N	P=0.359	P=0.482
COCH-ARM / FISHERS	P=0.160	P=0.339N	P=0.370	P=0.344
MAX-ISO-POLY-3	P=0.265	P=0.195N	P=0.244	P=0.313

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Liver: Bile Duct Fibrosis				
<hr/>				
<b>LESION RATES</b>				
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	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
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)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Liver: Bile Duct Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/48 (0%)
POLY-3 RATE (b)	2/36.47	0/36.72	0/35.70	0/40.12
POLY-3 PERCENT (g)	5.5%	0%	0%	0%
TERMINAL (d)	2/21 (10%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.119N	P=0.235N	P=0.241N	P=0.216N
POLY 1.5	P=0.118N	P=0.237N	P=0.241N	P=0.230N
POLY 6	P=0.120N	P=0.231N	P=0.243N	P=0.200N
COCH-ARM / FISHERS	P=0.118N	P=0.247N	P=0.247N	P=0.258N
MAX-ISO-POLY-3	P=0.033N*	P=0.075N	P=0.080N	P=0.077N

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Lung				
Foreign Body				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/36.47	2/37.10	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	---	621	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.387N	P=0.240	(e)	(e)
POLY 1.5	P=0.401N	P=0.237	(e)	(e)
POLY 6	P=0.369N	P=0.244	(e)	(e)
COCH-ARM / FISHERS	P=0.409N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.255N	P=0.079	(e)	(e)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Lung</b>				
<b>Hemorrhage Focal</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/36.47	0/36.72	0/35.70	0/40.14
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
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)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Lung</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	34/50 (68%)	30/50 (60%)	38/50 (76%)	35/49 (71%)
POLY-3 RATE (b)	34/43.26	30/43.11	38/45.80	35/44.50
POLY-3 PERCENT (g)	78.6%	69.6%	83%	78.7%
TERMINAL (d)	20/21 (95%)	12/19 (63%)	14/19 (74%)	22/30 (73%)
FIRST INCIDENCE	288	388	189	416
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.375	P=0.223N	P=0.391	P=0.606
POLY 1.5	P=0.262	P=0.262N	P=0.297	P=0.474
POLY 6	P=0.547	P=0.166N	P=0.534	P=0.439N
COCH-ARM / FISHERS	P=0.240	P=0.266N	P=0.252	P=0.440
MAX-ISO-POLY-3	P=0.349	P=0.153N	P=0.290	P=0.497

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Lung: Alveolus Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	13/50 (26%)	16/50 (32%)	11/50 (22%)	9/49 (18%)
POLY-3 RATE (b)	13/41.74	16/40.64	11/38.41	9/40.59
POLY-3 PERCENT (g)	31.1%	39.4%	28.6%	22.2%
TERMINAL (d)	4/21 (19%)	6/19 (32%)	5/19 (26%)	7/30 (23%)
FIRST INCIDENCE	288	379	189	665
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.122N	P=0.288	P=0.500N	P=0.250N
POLY 1.5	P=0.134N	P=0.294	P=0.469N	P=0.264N
POLY 6	P=0.106N	P=0.290	P=0.540N	P=0.229N
COCH-ARM / FISHERS	P=0.128N	P=0.330	P=0.408N	P=0.251N
MAX-ISO-POLY-3	P=0.150N	P=0.218	P=0.404N	P=0.179N

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Lung: Alveolus Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/36.47	0/36.72	0/35.70	0/40.14
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
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)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Lymph Node, Mesenteric: Lymphatic Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	15/48 (31%)
POLY-3 RATE (b)	0/36.47	0/36.72	1/35.70	15/41.56
POLY-3 PERCENT (g)	0%	0%	2.8%	36.1%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	1/19 (5%)	12/30 (40%)
FIRST INCIDENCE	---	---	729 (T)	176
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	(e)	P=0.496	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.496	P<0.001**
POLY 6	P<0.001**	(e)	P=0.494	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.500	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.158	P<0.001**

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Lymph Node: Lumbar Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/7 (29%)	1/6 (17%)	0/4 (0%)	0/3 (0%)
POLY-3 RATE (b)	2/4.73	1/5.29	0/2.23	0/2.08
POLY-3 PERCENT (g)	42.3%	18.9%	0%	0%
TERMINAL (d)	0/1 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)
FIRST INCIDENCE	642	664	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.223N	P=0.455N	P=0.403N	P=0.420N
POLY 1.5	P=0.212N	P=0.495N	P=0.379N	P=0.431N
POLY 6	P=0.240N	P=0.418N	P=0.461N	P=0.396N
COCH-ARM / FISHERS	P=0.188N	P=0.563N	P=0.382N	P=0.467N
MAX-ISO-POLY-3	P=0.251N	P=0.237N	P=0.175N	P=0.172N

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Lymph Node: Mediastinal Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/7 (29%)	0/6 (0%)	1/4 (25%)	0/3 (0%)
POLY-3 RATE (b)	2/5.12	0/5.05	1/2.38	0/2.08
POLY-3 PERCENT (g)	39.1%	0%	41.9%	0%
TERMINAL (d)	0/1 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)
FIRST INCIDENCE	614	---	688	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.361N	P=0.209N	P=0.748	P=0.446N
POLY 1.5	P=0.356N	P=0.223N	P=0.749N	P=0.443N
POLY 6	P=0.360N	P=0.208N	P=0.712	P=0.445N
COCH-ARM / FISHERS	P=0.338N	P=0.269N	P=0.721N	P=0.467N
MAX-ISO-POLY-3	P=0.267N	P=0.056N	P=0.476	P=0.199N

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Indole-3-carbinol

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Lymph Node: Renal Ectasia				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/7 (0%)	0/6 (0%)	0/4 (0%)	0/3 (0%)
POLY-3 RATE (b)	0/4.37	0/5.05	0/2.23	0/2.08
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/1 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
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)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Lymph Node: Renal Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/7 (0%)	0/6 (0%)	0/4 (0%)	0/3 (0%)
POLY-3 RATE (b)	0/4.37	0/5.05	0/2.23	0/2.08
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/1 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
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)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Mammary Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/50 (16%)	3/50 (6%)	7/50 (14%)	7/50 (14%)
POLY-3 RATE (b)	8/37.77	3/37.53	7/35.70	7/41.19
POLY-3 PERCENT (g)	21.2%	8%	19.6%	17%
TERMINAL (d)	4/21 (19%)	1/19 (5%)	7/19 (37%)	4/30 (13%)
FIRST INCIDENCE	513	463	729 (T)	571
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.559	P=0.095N	P=0.549N	P=0.426N
POLY 1.5	P=0.512	P=0.098N	P=0.534N	P=0.473N
POLY 6	P=0.504N	P=0.091N	P=0.579N	P=0.365N
COCH-ARM / FISHERS	P=0.486	P=0.100N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.369N	P=0.050N*	P=0.433N	P=0.324N

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Nose				
Foreign Body				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	3/49 (6%)	2/50 (4%)	3/49 (6%)	3/50 (6%)
POLY-3 RATE (b)	3/36.48	2/37.34	3/35.54	3/40.16
POLY-3 PERCENT (g)	8.2%	5.4%	8.4%	7.5%
TERMINAL (d)	1/20 (5%)	0/19 (0%)	3/19 (16%)	3/30 (10%)
FIRST INCIDENCE	488	621	729 (T)	729 (T)
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.570	P=0.489N	P=0.652	P=0.618N
POLY 1.5	P=0.543	P=0.493N	P=0.653	P=0.642N
POLY 6	P=0.575N	P=0.482N	P=0.644	P=0.588N
COCH-ARM / FISHERS	P=0.528	P=0.490N	P=0.661N	P=0.651N
MAX-ISO-POLY-3	P=0.657	P=0.314N	P=0.486	P=0.452N

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Nose</b>				
<b>Inflammation Chronic</b>				
<hr/>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	5/49 (10%)	4/50 (8%)	5/49 (10%)	6/50 (12%)
<b>POLY-3 RATE (b)</b>	5/36.98	4/37.96	5/36.84	6/41.14
<b>POLY-3 PERCENT (g)</b>	13.5%	10.5%	13.6%	14.6%
<b>TERMINAL (d)</b>	1/20 (5%)	0/19 (0%)	3/19 (16%)	5/30 (17%)
<b>FIRST INCIDENCE</b>	488	616	329	184
<hr/>				
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.445	P=0.483N	P=0.631	P=0.575
<b>POLY 1.5</b>	P=0.412	P=0.490N	P=0.628	P=0.542
<b>POLY 6</b>	P=0.481	P=0.473N	P=0.621	P=0.612
<b>COCH-ARM / FISHERS</b>	P=0.384	P=0.487N	P=0.630N	P=0.514
<b>MAX-ISO-POLY-3</b>	P=0.585	P=0.346N	P=0.497	P=0.448

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Nose: Olfactory Epithelium Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	2/49 (4%)	5/50 (10%)
POLY-3 RATE (b)	0/35.47	0/36.72	2/36.97	5/41.29
POLY-3 PERCENT (g)	0%	0%	5.4%	12.1%
TERMINAL (d)	0/20 (0%)	0/19 (0%)	0/19 (0%)	3/30 (10%)
FIRST INCIDENCE	---	---	189	197
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.004**	(e)	P=0.246	P=0.045*
POLY 1.5	P=0.003**	(e)	P=0.241	P=0.038*
POLY 6	P=0.005**	(e)	P=0.248	P=0.055
COCH-ARM / FISHERS	P=0.003**	(e)	P=0.247	P=0.030*
MAX-ISO-POLY-3	P=0.005**	(e)	P=0.084	P=0.021*

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Nose: Respiratory Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	3/49 (6%)	2/50 (4%)
POLY-3 RATE (b)	0/35.47	0/36.72	3/36.45	2/42.12
POLY-3 PERCENT (g)	0%	0%	8.2%	4.8%
TERMINAL (d)	0/20 (0%)	0/19 (0%)	2/19 (11%)	0/30 (0%)
FIRST INCIDENCE	---	---	329	184
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.139	(e)	P=0.122	P=0.277
POLY 1.5	P=0.119	(e)	P=0.120	P=0.260
POLY 6	P=0.167	(e)	P=0.122	P=0.298
COCH-ARM / FISHERS	P=0.099	(e)	P=0.121	P=0.253
MAX-ISO-POLY-3	P=0.111	(e)	P=0.041*	P=0.112

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Nose: Respiratory Epithelium Metaplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	1/49 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/35.47	0/36.72	1/35.54	1/40.31
POLY-3 PERCENT (g)	0%	0%	2.8%	2.5%
TERMINAL (d)	0/20 (0%)	0/19 (0%)	1/19 (5%)	0/30 (0%)
FIRST INCIDENCE	---	---	729 (T)	692
<b>STATISTICAL TESTS</b>				
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)

---



Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Oral Mucosa Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/36.47	0/36.72	1/36.05	2/40.16
POLY-3 PERCENT (g)	0%	0%	2.8%	5%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	2/30 (7%)
FIRST INCIDENCE	---	---	631	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.081	(e)	P=0.498	P=0.259
POLY 1.5	P=0.074	(e)	P=0.497	P=0.245
POLY 6	P=0.092	(e)	P=0.497	P=0.277
COCH-ARM / FISHERS	P=0.070	(e)	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.105	(e)	P=0.158	P=0.096

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Ovary Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	40/50 (80%)	23/50 (46%)	37/50 (74%)	30/49 (61%)
POLY-3 RATE (b)	40/46.63	23/42.03	37/43.70	30/45.31
POLY-3 PERCENT (g)	85.8%	54.7%	84.7%	66.2%
TERMINAL (d)	17/21 (81%)	12/19 (63%)	16/19 (84%)	17/30 (57%)
FIRST INCIDENCE	373	335	307	175
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.104N	P<0.001N**	P=0.564N	P=0.020N*
POLY 1.5	P=0.149N	P<0.001N**	P=0.492N	P=0.025N*
POLY 6	P=0.063N	P<0.001N**	P=0.636	P=0.015N*
COCH-ARM / FISHERS	P=0.209N	P<0.001N**	P=0.318N	P=0.033N*
MAX-ISO-POLY-3	P=0.015N*	P<0.001N**	P=0.436N	P=0.011N*

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Ovary Cyst				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	17/50 (34%)	13/50 (26%)	16/50 (32%)	16/49 (33%)
POLY-3 RATE (b)	17/39.59	13/39.15	16/38.85	16/40.73
POLY-3 PERCENT (g)	42.9%	33.2%	41.2%	39.3%
TERMINAL (d)	9/21 (43%)	7/19 (37%)	7/19 (37%)	13/30 (43%)
FIRST INCIDENCE	422	481	548	645
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.521N	P=0.250N	P=0.529N	P=0.457N
POLY 1.5	P=0.520	P=0.260N	P=0.534N	P=0.506N
POLY 6	P=0.461N	P=0.240N	P=0.523N	P=0.398N
COCH-ARM / FISHERS	P=0.492	P=0.257N	P=0.500N	P=0.528N
MAX-ISO-POLY-3	P=0.510N	P=0.183N	P=0.434N	P=0.368N

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Ovary</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	1/36.47	1/37.12	0/35.70	2/40.68
POLY-3 PERCENT (g)	2.7%	2.7%	0%	4.9%
TERMINAL (d)	1/21 (5%)	0/19 (0%)	0/19 (0%)	1/30 (3%)
FIRST INCIDENCE	729 (T)	616	---	563
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.389	P=0.758N	P=0.504N	P=0.538
POLY 1.5	P=0.373	P=0.760N	P=0.504N	P=0.514
POLY 6	P=0.411	P=0.753N	P=0.506N	P=0.567
COCH-ARM / FISHERS	P=0.360	P=0.753N	P=0.500N	P=0.492
MAX-ISO-POLY-3	P=0.342	P=0.494N	P=0.163N	P=0.322

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Pancreas: Acinus Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/36.47	0/36.64	0/35.54	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	---	---	---	---
<b>STATISTICAL TESTS</b>				
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)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Pancreas: Acinus Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/49 (6%)	0/49 (0%)	1/48 (2%)
POLY-3 RATE (b)	1/37.41	3/37.54	0/35.54	1/40.43
POLY-3 PERCENT (g)	2.7%	8%	0%	2.5%
TERMINAL (d)	0/21 (0%)	2/19 (11%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	288	335	---	645
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.393N	P=0.305	P=0.510N	P=0.743N
POLY 1.5	P=0.410N	P=0.301	P=0.510N	P=0.757N
POLY 6	P=0.370N	P=0.310	P=0.513N	P=0.725N
COCH-ARM / FISHERS	P=0.421N	P=0.301	P=0.505N	P=0.742
MAX-ISO-POLY-3	P=0.272N	P=0.155	P=0.170N	P=0.478N

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Pancreas: Artery Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	4/49 (8%)	3/49 (6%)	6/48 (13%)
POLY-3 RATE (b)	1/36.60	4/37.11	3/35.86	6/40.12
POLY-3 PERCENT (g)	2.7%	10.8%	8.4%	15%
TERMINAL (d)	0/21 (0%)	2/19 (11%)	2/19 (11%)	6/30 (20%)
FIRST INCIDENCE	695	621	639	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.071	P=0.180	P=0.296	P=0.070
POLY 1.5	P=0.059	P=0.176	P=0.294	P=0.059
POLY 6	P=0.087	P=0.186	P=0.294	P=0.085
COCH-ARM / FISHERS	P=0.049*	P=0.175	P=0.301	P=0.050*
MAX-ISO-POLY-3	P=0.059	P=0.087	P=0.148	P=0.037*

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Parathyroid Gland Hyperplasia				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/47 (0%)	2/49 (4%)	0/46 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/33.87	2/35.84	0/32.59	0/39.16
POLY-3 PERCENT (g)	0%	5.6%	0%	0%
TERMINAL (d)	0/19 (0%)	0/18 (0%)	0/17 (0%)	0/29 (0%)
FIRST INCIDENCE	---	7/10	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.380N	P=0.249	(e)	(e)
POLY 1.5	P=0.394N	P=0.246	(e)	(e)
POLY 6	P=0.362N	P=0.252	(e)	(e)
COCH-ARM / FISHERS	P=0.400N	P=0.258	(e)	(e)
MAX-ISO-POLY-3	P=0.259N	P=0.085	(e)	(e)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Pituitary Gland: Pars Distalis Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	19/50 (38%)	14/50 (28%)	18/50 (36%)	24/49 (49%)
POLY-3 RATE (b)	19/40.14	14/40.66	18/39.39	24/42.05
POLY-3 PERCENT (g)	47.3%	34.4%	45.7%	57.1%
TERMINAL (d)	10/21 (48%)	4/19 (21%)	6/19 (32%)	16/30 (53%)
FIRST INCIDENCE	425	187	446	563
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.089	P=0.164N	P=0.532N	P=0.248
POLY 1.5	P=0.066	P=0.181N	P=0.538N	P=0.187
POLY 6	P=0.138	P=0.138N	P=0.514N	P=0.360
COCH-ARM / FISHERS	P=0.074	P=0.198N	P=0.500N	P=0.184
MAX-ISO-POLY-3	P=0.106	P=0.114N	P=0.439N	P=0.189

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Salivary Glands</b>				
<b>Metaplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/48 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/36.47	0/36.64	0/35.33	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	---	---	---	---
<b>STATISTICAL TESTS</b>				
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)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

CAS Number: 700-06-1

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Skin				
Cyst Epithelial Inclusion				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/36.47	1/36.78	0/35.70	1/40.32
POLY-3 PERCENT (g)	0%	2.7%	0%	2.5%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	713	---	688
<hr/>				
<b>STATISTICAL TESTS</b>				
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)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Indole-3-carbinol

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Skin Inflammation</b>				
<b>LESION RATES</b>				
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	---	---	---	---
<b>STATISTICAL TESTS</b>				
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)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Skin				
Necrosis				
<hr/>				
<b>LESION RATES</b>				
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	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
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)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Spinal Cord Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/0 (0%)	0/1 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.66	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
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)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Spleen</b>				
<b>Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	36/50 (72%)	32/50 (64%)	40/50 (80%)	33/48 (69%)
<b>POLY-3 RATE (b)</b>	36/46.66	32/43.19	40/47.73	33/45.61
<b>POLY-3 PERCENT (g)</b>	77.2%	74.1%	83.8%	72.4%
<b>TERMINAL (d)</b>	12/21 (57%)	12/19 (63%)	13/19 (68%)	19/30 (63%)
<b>FIRST INCIDENCE</b>	288	335	160	176
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.390N	P=0.462N	P=0.283	P=0.384N
<b>POLY 1.5</b>	P=0.464N	P=0.394N	P=0.263	P=0.421N
<b>POLY 6</b>	P=0.326N	P=0.531N	P=0.296	P=0.351N
<b>COCH-ARM / FISHERS</b>	P=0.523	P=0.260N	P=0.241	P=0.448N
<b>MAX-ISO-POLY-3</b>	P=0.376N	P=0.367N	P=0.203	P=0.295N

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Stomach, Forestomach Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	5/50 (10%)	7/50 (14%)	3/49 (6%)
POLY-3 RATE (b)	2/37.18	5/36.81	7/36.67	3/40.14
POLY-3 PERCENT (g)	5.4%	13.6%	19.1%	7.5%
TERMINAL (d)	0/21 (0%)	4/19 (21%)	5/19 (26%)	3/30 (10%)
FIRST INCIDENCE	617	706	548	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.564	P=0.209	P=0.071	P=0.535
POLY 1.5	P=0.513	P=0.210	P=0.073	P=0.511
POLY 6	P=0.529N	P=0.206	P=0.067	P=0.562
COCH-ARM / FISHERS	P=0.470	P=0.218	P=0.080	P=0.490
MAX-ISO-POLY-3	P=0.231	P=0.114	P=0.034*	P=0.360

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Stomach, Forestomach Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	1/37.13	0/36.72	0/35.70	1/40.14
POLY-3 PERCENT (g)	2.7%	0%	0%	2.5%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	1/30 (3%)
FIRST INCIDENCE	509	---	---	729 (T)
<b>STATISTICAL TESTS</b>				
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)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Stomach, Forestomach Ulcer				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	1/36.87	0/36.72	0/35.70	0/40.14
POLY-3 PERCENT (g)	2.7%	0%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	614	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
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)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Stomach, Glandular: Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/49 (0%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	1/36.86	0/36.64	1/35.70	0/40.14
POLY-3 PERCENT (g)	2.7%	0%	2.8%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	1/19 (5%)	0/30 (0%)
FIRST INCIDENCE	617	---	729 (T)	---
<b>STATISTICAL TESTS</b>				
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)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Indole-3-carbinol

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Stomach, Glandular: Epithelium Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/36.47	0/36.64	0/35.70	0/40.14
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
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)

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Indole-3-carbinol

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Stomach, Glandular: Epithelium Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/36.47	0/36.64	1/36.27	0/40.14
POLY-3 PERCENT (g)	0%	0%	2.8%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	548	---
<b>STATISTICAL TESTS</b>				
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)

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Thymus Atrophy				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	38/47 (81%)	31/50 (62%)	34/49 (69%)	38/50 (76%)
POLY-3 RATE (b)	38/45.35	31/43.78	34/45.53	38/47.39
POLY-3 PERCENT (g)	83.8%	70.8%	74.7%	80.2%
TERMINAL (d)	15/20 (75%)	13/19 (68%)	11/18 (61%)	22/30 (73%)
FIRST INCIDENCE	288	187	307	175
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.524N	P=0.100N	P=0.201N	P=0.426N
POLY 1.5	P=0.520	P=0.064N	P=0.193N	P=0.439N
POLY 6	P=0.460N	P=0.150N	P=0.213N	P=0.400N
COCH-ARM / FISHERS	P=0.515	P=0.033N*	P=0.144N	P=0.370N
MAX-ISO-POLY-3	P=0.248N	P=0.066N	P=0.136N	P=0.323N

---

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Indole-3-carbinol

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Thymus: Epithelial Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/47 (2%)	4/50 (8%)	3/49 (6%)	0/50 (0%)
POLY-3 RATE (b)	1/34.97	4/38.38	3/35.03	0/40.16
POLY-3 PERCENT (g)	2.9%	10.4%	8.6%	0%
TERMINAL (d)	1/20 (5%)	0/19 (0%)	2/18 (11%)	0/30 (0%)
FIRST INCIDENCE	729 (T)	388	639	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.182N	P=0.206	P=0.304	P=0.472N
POLY 1.5	P=0.205N	P=0.200	P=0.307	P=0.483N
POLY 6	P=0.154N	P=0.216	P=0.299	P=0.458N
COCH-ARM / FISHERS	P=0.217N	P=0.201	P=0.324	P=0.485N
MAX-ISO-POLY-3	P=0.136N	P=0.105	P=0.154	P=0.154N

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 04/16/2013

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

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Thyroid Gland: C-Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/49 (14%)	5/49 (10%)	6/48 (13%)	5/47 (11%)
POLY-3 RATE (b)	7/37.20	5/36.92	6/36.80	5/39.78
POLY-3 PERCENT (g)	18.8%	13.5%	16.3%	12.6%
TERMINAL (d)	4/21 (19%)	3/19 (16%)	3/19 (16%)	4/30 (13%)
FIRST INCIDENCE	607	481	393	630
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.317N	P=0.381N	P=0.509N	P=0.330N
POLY 1.5	P=0.359N	P=0.385N	P=0.517N	P=0.371N
POLY 6	P=0.268N	P=0.377N	P=0.510N	P=0.284N
COCH-ARM / FISHERS	P=0.400N	P=0.380N	P=0.516N	P=0.410N
MAX-ISO-POLY-3	P=0.372N	P=0.269N	P=0.386N	P=0.235N

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Thyroid Gland: Follicular Cell Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	27/49 (55%)	23/49 (47%)	24/48 (50%)	30/47 (64%)
POLY-3 RATE (b)	27/43.60	23/39.59	24/40.47	30/43.32
POLY-3 PERCENT (g)	61.9%	58.1%	59.3%	69.3%
TERMINAL (d)	10/21 (48%)	11/19 (58%)	10/19 (53%)	20/30 (67%)
FIRST INCIDENCE	288	388	189	176
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.216	P=0.446N	P=0.491N	P=0.306
POLY 1.5	P=0.173	P=0.388N	P=0.462N	P=0.264
POLY 6	P=0.272	P=0.499N	P=0.526N	P=0.360
COCH-ARM / FISHERS	P=0.150	P=0.272N	P=0.382N	P=0.254
MAX-ISO-POLY-3	P=0.274	P=0.361N	P=0.400N	P=0.232

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Uterus Cyst				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/36.47	0/36.72	2/36.42	0/40.16
POLY-3 PERCENT (g)	0%	0%	5.5%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	615	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.648	(e)	P=0.236	(e)
POLY 1.5	P=0.618	(e)	P=0.234	(e)
POLY 6	P=0.685	(e)	P=0.237	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.270	(e)	P=0.075	(e)

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Test Type: CHRONIC

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Uterus Dilatation				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	9/50 (18%)	9/50 (18%)	7/50 (14%)	5/50 (10%)
POLY-3 RATE (b)	9/40.14	9/39.60	7/38.37	5/41.16
POLY-3 PERCENT (g)	22.4%	22.7%	18.2%	12.2%
TERMINAL (d)	2/21 (10%)	2/19 (11%)	1/19 (5%)	3/30 (10%)
FIRST INCIDENCE	288	335	397	563
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.110N	P=0.593	P=0.428N	P=0.174N
POLY 1.5	P=0.128N	P=0.587	P=0.426N	P=0.195N
POLY 6	P=0.088N	P=0.607N	P=0.433N	P=0.147N
COCH-ARM / FISHERS	P=0.128N	P=0.602N	P=0.393N	P=0.194N
MAX-ISO-POLY-3	P=0.174N	P=0.486	P=0.325N	P=0.111N

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Species/Strain: RATS/HSD

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Uterus</b>				
<b>Inflammation Acute</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	5/50 (10%)	12/50 (24%)	6/50 (12%)	9/50 (18%)
POLY-3 RATE (b)	5/38.34	12/39.11	6/37.13	9/41.37
POLY-3 PERCENT (g)	13%	30.7%	16.2%	21.8%
TERMINAL (d)	2/21 (10%)	5/19 (26%)	3/19 (16%)	6/30 (20%)
FIRST INCIDENCE	446	492	446	563
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.411	P=0.051	P=0.477	P=0.233
POLY 1.5	P=0.363	P=0.049*	P=0.480	P=0.203
POLY 6	P=0.481	P=0.057	P=0.468	P=0.277
COCH-ARM / FISHERS	P=0.348	P=0.054	P=0.500	P=0.194
MAX-ISO-POLY-3	P=0.225	P=0.028*	P=0.351	P=0.162

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Experiment Number: 20006 - 03

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Uterus: Endometrium Hyperplasia Cystic</b>				
<b>LESION RATES</b>				
OVERALL (a)	29/50 (58%)	28/50 (56%)	29/50 (58%)	21/50 (42%)
POLY-3 RATE (b)	29/43.25	28/44.00	29/41.19	21/41.86
POLY-3 PERCENT (g)	67.1%	63.6%	70.4%	50.2%
TERMINAL (d)	13/21 (62%)	11/19 (58%)	13/19 (68%)	16/30 (53%)
FIRST INCIDENCE	288	335	329	356
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.063N	P=0.454N	P=0.459	P=0.077N
POLY 1.5	P=0.075N	P=0.489N	P=0.475	P=0.092N
POLY 6	P=0.048N*	P=0.413N	P=0.468	P=0.060N
COCH-ARM / FISHERS	P=0.060N	P=0.500N	P=0.580N	P=0.081N
MAX-ISO-POLY-3	P=0.074N	P=0.363N	P=0.364	P=0.051N

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Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<b>Uterus: Endometrium Metaplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	12/50 (24%)	18/50 (36%)	20/50 (40%)	11/50 (22%)
POLY-3 RATE (b)	12/41.12	18/40.19	20/40.73	11/40.98
POLY-3 PERCENT (g)	29.2%	44.8%	49.1%	26.8%
TERMINAL (d)	4/21 (19%)	8/19 (42%)	7/19 (37%)	9/30 (30%)
FIRST INCIDENCE	373	420	446	592
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.334N	P=0.104	P=0.047*	P=0.504N
POLY 1.5	P=0.370N	P=0.110	P=0.047*	P=0.524N
POLY 6	P=0.285N	P=0.103	P=0.051	P=0.472N
COCH-ARM / FISHERS	P=0.348N	P=0.138	P=0.066	P=0.500N
MAX-ISO-POLY-3	P=0.136N	P=0.070	P=0.029*	P=0.404N

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**LEGEND**

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

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