

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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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
Adrenal Cortex Degeneration Cystic				
LESION RATES				
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
STATISTICAL TESTS				
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
Adrenal Cortex				
Degeneration Fatty				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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
Adrenal Cortex Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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
Adrenal Cortex Necrosis				
LESION RATES				
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
STATISTICAL TESTS				
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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**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
Adrenal Medulla Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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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**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
Blood Vessel Inflammation Chronic				
LESION RATES				
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
STATISTICAL TESTS				
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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**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
Blood Vessel Mineralization				
LESION RATES				
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
STATISTICAL TESTS				
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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**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
Bone Marrow Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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
Bone				
Fibrous Osteodystrophy				
LESION RATES				
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
STATISTICAL TESTS				
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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**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
Brain				
Gliososis				
<hr/>				
LESION RATES				
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	---	---
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STATISTICAL TESTS				
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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**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
Brain				
Necrosis				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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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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
Esophagus Inflammation				
LESION RATES				
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	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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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
<hr/>				
Eye: Anterior Chamber				
Inflammation Acute				
<hr/>				
LESION RATES				
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
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STATISTICAL TESTS				
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

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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/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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
Heart				
Cardiomyopathy				
LESION RATES				
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
STATISTICAL TESTS				
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/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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
Heart: Epicardium Inflammation				
LESION RATES				
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)	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Heart: Pericardium Inflammation				
LESION RATES				
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	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Intestine Small, Duodenum: Lymphatic Ectasia				
LESION RATES				
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
STATISTICAL TESTS				
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 104 WEEKS**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Intestine Small, Jejunum: Lymphatic Ectasia				
LESION RATES				
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
STATISTICAL TESTS				
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
Islets, Pancreatic Hyperplasia				
LESION RATES				
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)
STATISTICAL TESTS				
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

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

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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
Lacrimal Gland Degeneration				
LESION RATES				
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	---
STATISTICAL TESTS				
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

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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
<hr/>				
Liver				
Angiectasis				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
<hr/>				
Liver				
Basophilic Focus				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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
<hr/>				
Liver				
Cholangiofibrosis				
<hr/>				
LESION RATES				
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
<hr/>				
STATISTICAL TESTS				
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/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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
<hr/>				
Liver				
Hepatodiaphragmatic Nodule				
<hr/>				
LESION RATES				
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
<hr/>				
STATISTICAL TESTS				
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/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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
Liver: Bile Duct Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Lung				
Hemorrhage Focal				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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

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

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
Lung: Alveolus Mineralization				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Lymph Node, Mesenteric: Lymphatic Ectasia				
LESION RATES				
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
STATISTICAL TESTS				
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
Lymph Node: Lumbar Hemorrhage				
LESION RATES				
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	---
STATISTICAL TESTS				
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**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Lymph Node: Mediastinal Hemorrhage				
LESION RATES				
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)
STATISTICAL TESTS				
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

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
Lymph Node: Renal Ectasia				
LESION RATES				
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)	---	---	---
STATISTICAL TESTS				
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*

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
Lymph Node: Renal Hemorrhage				
LESION RATES				
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	---	---
STATISTICAL TESTS				
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
Mammary Gland Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/38.24	0/33.45	0/36.40	0/33.77
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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/>				
Nose				
Foreign Body				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Nose				
Inflammation Chronic				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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

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
Nose: Olfactory Epithelium Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/38.24	0/33.45	0/36.40	0/33.77
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/20 (0%)	0/13 (0%)	0/17 (0%)	0/12 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Nose: Respiratory Epithelium Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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
Nose: Respiratory Epithelium Metaplasia				
LESION RATES				
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	---
STATISTICAL TESTS				
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
Oral Mucosa Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Pancreas: Acinus Atrophy				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Pancreas: Acinus Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Pancreas: Artery Inflammation Chronic				
LESION RATES				
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
STATISTICAL TESTS				
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
Parathyroid Gland Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Pituitary Gland: Pars Distalis Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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/>				
Preputial Gland Cyst				
<hr/>				
LESION RATES				
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
<hr/>				
STATISTICAL TESTS				
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

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
Preputial Gland Inflammation				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Prostate Fibrosis				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Prostate Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Prostate Inflammation Acute				
LESION RATES				
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
STATISTICAL TESTS				
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**

DOSE	Males			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Salivary Glands Metaplasia				
LESION RATES				
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)
STATISTICAL TESTS				
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

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
Seminal Vesicle Inflammation Acute				
LESION RATES				
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
STATISTICAL TESTS				
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

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

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
Skin				
Inflammation				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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

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/>				
Skin				
Necrosis				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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)

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

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
Stomach, Forestomach Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Stomach, Forestomach Inflammation				
LESION RATES				
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)
STATISTICAL TESTS				
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

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
Stomach, Forestomach Ulcer				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Stomach, Glandular: Epithelium Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Stomach, Glandular: Epithelium Inflammation Chronic				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Stomach, Glandular: Epithelium Mineralization				
LESION RATES				
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
STATISTICAL TESTS				
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

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				
Atrophy				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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

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/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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

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: Interstitial Cell Hyperplasia				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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

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
Thymus Atrophy				
LESION RATES				
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
STATISTICAL TESTS				
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
Thymus: Epithelial Cell Hyperplasia				
LESION RATES				
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	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Thyroid Gland: C-Cell Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Thyroid Gland: Follicular Cell Hypertrophy				
LESION RATES				
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
STATISTICAL TESTS				
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**

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
Adrenal Cortex Degeneration Cystic				
LESION RATES				
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
STATISTICAL TESTS				
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
Adrenal Cortex Degeneration Fatty				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Adrenal Cortex Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Adrenal Cortex Necrosis				
LESION RATES				
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
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Adrenal Medulla Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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
Blood Vessel Inflammation Chronic				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Blood Vessel Mineralization				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/36.47	0/36.72	0/35.70	0/40.16
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Bone Marrow Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Bone				
Fibrous Osteodystrophy				
LESION RATES				
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	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Brain				
Gliososis				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Brain				
Necrosis				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Clitoral Gland Cyst				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Clitoral Gland Inflammation				
LESION RATES				
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)
STATISTICAL TESTS				
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

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
Esophagus Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/36.47	2/37.91	0/35.70	0/40.16
POLY-3 PERCENT (g)	0%	5.3%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	420	---	---
STATISTICAL TESTS				
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)

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/>				
Eye: Anterior Chamber				
Inflammation Acute				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/36.47	0/36.72	0/35.70	0/40.16
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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/>				
Eye: Cornea				
Inflammation Acute				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/36.47	0/36.72	0/35.70	0/40.16
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Heart				
Cardiomyopathy				
LESION RATES				
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
STATISTICAL TESTS				
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**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Heart: Atrium				
Thrombosis				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Heart: Epicardium Inflammation				
LESION RATES				
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
STATISTICAL TESTS				
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
Heart: Pericardium Inflammation				
LESION RATES				
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	---
STATISTICAL TESTS				
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)

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
Intestine Small, Duodenum: Lymphatic Ectasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Intestine Small, Jejunum: Lymphatic Ectasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Islets, Pancreatic Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/36.47	0/36.72	0/35.70	0/40.16
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Kidney Nephropathy				
LESION RATES				
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
STATISTICAL TESTS				
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**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
Lacrimal Gland Degeneration				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Liver				
Angiectasis				
LESION RATES				
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)
STATISTICAL TESTS				
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

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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
Liver				
Basophilic Focus				
LESION RATES				
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
STATISTICAL TESTS				
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

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/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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				
Clear Cell Focus				
LESION RATES				
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
STATISTICAL TESTS				
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
Liver				
Eosinophilic Focus				
LESION RATES				
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
STATISTICAL TESTS				
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**

DOSE	Females			
	0 mg/kg	75 mg/kg	150 mg/kg	300 mg/kg
<hr/>				
Liver				
Hepatodiaphragmatic Nodule				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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

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
Liver				
Mixed Cell Focus				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Liver Necrosis				
LESION RATES				
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	---	---
STATISTICAL TESTS				
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

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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 Cyst				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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

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/>				
Liver: Bile Duct Fibrosis				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/36.47	0/36.72	0/35.70	0/40.12
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Liver: Bile Duct Hyperplasia				
LESION RATES				
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)	---	---	---
STATISTICAL TESTS				
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

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
<hr/>				
Lung				
Foreign Body				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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)

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/>				
Lung				
Hemorrhage Focal				
<hr/>				
LESION RATES				
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	---	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Lung				
Inflammation Chronic				
<hr/>				
LESION RATES				
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
<hr/>				
STATISTICAL TESTS				
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

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
Lung: Alveolus Infiltration Cellular Histiocyte				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Lung: Alveolus Mineralization				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Lymph Node, Mesenteric: Lymphatic Ectasia				
LESION RATES				
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
STATISTICAL TESTS				
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
Lymph Node: Lumbar Hemorrhage				
LESION RATES				
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	---	---
STATISTICAL TESTS				
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

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
Lymph Node: Mediastinal Hemorrhage				
LESION RATES				
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	---
STATISTICAL TESTS				
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

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
Lymph Node: Renal Ectasia				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Lymph Node: Renal Hemorrhage				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Mammary Gland Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Nose				
Foreign Body				
LESION RATES				
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)
STATISTICAL TESTS				
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

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

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
Nose: Respiratory Epithelium Metaplasia				
LESION RATES				
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
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Oral Mucosa Hyperplasia				
LESION RATES				
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)
STATISTICAL TESTS				
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

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
Ovary Atrophy				
LESION RATES				
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
STATISTICAL TESTS				
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
Ovary Cyst				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Ovary				
Inflammation Chronic				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Pancreas: Acinus Atrophy				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Pancreas: Acinus Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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/>				
Pancreas: Artery Inflammation Chronic				
<hr/>				
LESION RATES				
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)
<hr/>				
STATISTICAL TESTS				
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

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/>				
Parathyroid Gland Hyperplasia				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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)

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
Pituitary Gland: Pars Distalis Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Salivary Glands Metaplasia				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Skin				
Cyst Epithelial Inclusion				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Skin				
Inflammation				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/36.47	0/36.72	0/35.70	0/40.16
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Skin				
Necrosis				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/36.47	0/36.72	0/35.70	0/40.16
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/21 (0%)	0/19 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Spinal Cord Degeneration				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

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
Stomach, Forestomach Hyperplasia				
LESION RATES				
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)
STATISTICAL TESTS				
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

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
Stomach, Forestomach Inflammation				
LESION RATES				
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)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

Stomach, Glandular: Epithelium
Hyperplasia

LESION RATES

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)	---

STATISTICAL TESTS

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Stomach, Glandular: Epithelium Inflammation Chronic				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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
Stomach, Glandular: Epithelium Mineralization				
LESION RATES				
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	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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/>				
Thymus Atrophy				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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

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
Thymus: Epithelial Cell Hyperplasia				
LESION RATES				
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	---
STATISTICAL TESTS				
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

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
Thyroid Gland: C-Cell Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Thyroid Gland: Follicular Cell Hypertrophy				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Uterus Cyst				
LESION RATES				
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	---
STATISTICAL TESTS				
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)

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
<hr/>				
Uterus Dilatation				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
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

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
Uterus				
Inflammation Acute				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Uterus: Endometrium Hyperplasia Cystic				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Uterus: Endometrium Metaplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

Experiment Number: 20006 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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Lab: BAT

LEGEND

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

*** END OF REPORT ***