

**Experiment Number:** 50050 - 01  
**Test Type:** 14-WEEK  
**Route:** DOSED WATER  
**Species/Strain:** RATS/HSD

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

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

**CAS Number:** 79917-90-1

**Date Report Requested:** 10/05/2020

**Time Report Requested:** 12:59:00

**First Dose M/F:** 04/25/13 / 04/26/13

**Lab:** BAT

BMIM Rats - Final 2

**NTP Study Number:** C50050  
**Lock Date:** 05/25/2018  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.3\_002  
**PWG Approval Date:** NONE

**Experiment Number:** 50050 - 01

**Test Type:** 14-WEEK

**Route:** DOSED WATER

**Species/Strain:** RATS/HSD

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**SUMMARY OF STATISTICALLY SIGNIFICANT ( $P \leq .05$ ) RESULTS IN THE ANALYSIS OF IONIC LIQUID: 1-BUTYL-3-METHYLIMIDAZOLIUM CHLORIDE**

**FEMALE RATS**

**Organ**

Liver

Nose: Epithelium

Nose: Olfactory Epithelium

**Morphology**

Hepatodiaphragmatic Nodule

Inflammation Chronic

Accumulation, Hyaline Droplet

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

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**Males**

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<b>DOSE</b>	<b>0 mg/mL male</b>	<b>1 mg/mL male</b>
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---

Adrenal Cortex  
Hypertrophy Focal

---

**LESION RATES**

<b>OVERALL (a)</b>	0/10 (0%)	0/10 (0%)
<b>POLY-3 RATE (b)</b>	0/10.00	0/10.00
<b>POLY-3 PERCENT (g)</b>	0%	0%
<b>TERMINAL (d)</b>	0/10 (0%)	0/10 (0%)
<b>FIRST INCIDENCE</b>	---	---

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**STATISTICAL TESTS**

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

---

Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

**Males**

---

<b>DOSE</b>	<b>0 mg/mL male</b>	<b>1 mg/mL male</b>
-------------	---------------------	---------------------

---

**Bone: Maxilla**  
**Inflammation Chronic**

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**LESION RATES**

<b>OVERALL (a)</b>	0/10 (0%)	0/10 (0%)
<b>POLY-3 RATE (b)</b>	0/10.00	0/10.00
<b>POLY-3 PERCENT (g)</b>	0%	0%
<b>TERMINAL (d)</b>	0/10 (0%)	0/10 (0%)
<b>FIRST INCIDENCE</b>	---	---

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**STATISTICAL TESTS**

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

---

Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

**Males**

---

DOSE	0 mg/mL male	1 mg/mL male
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Epididymis: Duct  
Exfoliated Germ Cell

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**LESION RATES**

OVERALL (a)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	1/10.00
POLY-3 PERCENT (g)	10%	10%
TERMINAL (d)	1/10 (10%)	1/10 (10%)
FIRST INCIDENCE	92 (T)	92 (T)

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**STATISTICAL TESTS**

POLY 3	P=0.760
POLY 1.5	P=0.760
POLY 6	P=0.760
COCH-ARM / FISHERS	P=0.763N
MAX-ISO-POLY-3	P=1.000

---

Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

**Males**

---

<b>DOSE</b>	<b>0 mg/mL male</b>	<b>1 mg/mL male</b>
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Heart  
Cardiomyopathy

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**LESION RATES**

<b>OVERALL (a)</b>	1/10 (10%)	1/10 (10%)
<b>POLY-3 RATE (b)</b>	1/10.00	1/10.00
<b>POLY-3 PERCENT (g)</b>	10%	10%
<b>TERMINAL (d)</b>	1/10 (10%)	1/10 (10%)
<b>FIRST INCIDENCE</b>	92 (T)	92 (T)

---

**STATISTICAL TESTS**

<b>POLY 3</b>	P=0.760
<b>POLY 1.5</b>	P=0.760
<b>POLY 6</b>	P=0.760
<b>COCH-ARM / FISHERS</b>	P=0.763N
<b>MAX-ISO-POLY-3</b>	P=1.000

---

Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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

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First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

**Males**

---

<b>DOSE</b>	<b>0 mg/mL male</b>	<b>1 mg/mL male</b>
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**Kidney**  
**Nephropathy Chronic Progressive**

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**LESION RATES**

<b>OVERALL (a)</b>	9/10 (90%)	8/10 (80%)
<b>POLY-3 RATE (b)</b>	9/10.00	8/10.00
<b>POLY-3 PERCENT (g)</b>	90%	80%
<b>TERMINAL (d)</b>	9/10 (90%)	8/10 (80%)
<b>FIRST INCIDENCE</b>	92 (T)	92 (T)

---

**STATISTICAL TESTS**

<b>POLY 3</b>	P=0.500N
<b>POLY 1.5</b>	P=0.500N
<b>POLY 6</b>	P=0.500N
<b>COCH-ARM / FISHERS</b>	P=0.500N
<b>MAX-ISO-POLY-3</b>	P=0.274N

---

Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

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Time Report Requested: 12:59:00

First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

**Males**

---

<b>DOSE</b>	<b>0 mg/mL male</b>	<b>1 mg/mL male</b>
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---

Liver  
Hepatodiaphragmatic Nodule

---

**LESION RATES**

<b>OVERALL (a)</b>	0/10 (0%)	0/10 (0%)
<b>POLY-3 RATE (b)</b>	0/10.00	0/10.00
<b>POLY-3 PERCENT (g)</b>	0%	0%
<b>TERMINAL (d)</b>	0/10 (0%)	0/10 (0%)
<b>FIRST INCIDENCE</b>	---	---

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**STATISTICAL TESTS**

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

---



Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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

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First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

**Males**

---

<b>DOSE</b>	<b>0 mg/mL male</b>	<b>1 mg/mL male</b>
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**Lymph Node, Mandibular  
Hyperplasia Lymphocyte**

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**LESION RATES**

<b>OVERALL (a)</b>	0/10 (0%)	0/10 (0%)
<b>POLY-3 RATE (b)</b>	0/10.00	0/10.00
<b>POLY-3 PERCENT (g)</b>	0%	0%
<b>TERMINAL (d)</b>	0/10 (0%)	0/10 (0%)
<b>FIRST INCIDENCE</b>	---	---

---

**STATISTICAL TESTS**

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

---

Experiment Number: 50050 - 01  
Test Type: 14-WEEK  
Route: DOSED WATER  
Species/Strain: RATS/HSD

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First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

**Males**

---

DOSE	0 mg/mL male	1 mg/mL male
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---

Nose: Epithelium  
Inflammation Chronic

---

**LESION RATES**

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---

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**STATISTICAL TESTS**

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

---

Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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

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First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

**Males**

---

DOSE	0 mg/mL male	1 mg/mL male
------	--------------	--------------

---

Nose: Olfactory Epithelium  
Accumulation, Hyaline Droplet

---

**LESION RATES**

OVERALL (a)	7/10 (70%)	6/10 (60%)
POLY-3 RATE (b)	7/10.00	6/10.00
POLY-3 PERCENT (g)	70%	60%
TERMINAL (d)	7/10 (70%)	6/10 (60%)
FIRST INCIDENCE	92 (T)	92 (T)

---

**STATISTICAL TESTS**

POLY 3	P=0.500N
POLY 1.5	P=0.500N
POLY 6	P=0.500N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	P=0.325N

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Experiment Number: 50050 - 01  
Test Type: 14-WEEK  
Route: DOSED WATER  
Species/Strain: RATS/HSD

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

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Time Report Requested: 12:59:00

First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

**Males**

---

DOSE	0 mg/mL male	1 mg/mL male
------	--------------	--------------

---

Nose: Respiratory Epithelium  
Inflammation Chronic

---

**LESION RATES**

OVERALL (a)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	10%
TERMINAL (d)	0/10 (0%)	1/10 (10%)
FIRST INCIDENCE	---	92 (T)

---

**STATISTICAL TESTS**

POLY 3	P=0.500
POLY 1.5	P=0.500
POLY 6	P=0.500
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	P=0.158

---

Experiment Number: 50050 - 01  
Test Type: 14-WEEK  
Route: DOSED WATER  
Species/Strain: RATS/HSD

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

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

**Males**

---

DOSE	0 mg/mL male	1 mg/mL male
------	--------------	--------------

---

Nose: Transitional Epithelium  
Inflammation Chronic

---

**LESION RATES**

OVERALL (a)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	10%
TERMINAL (d)	0/10 (0%)	1/10 (10%)
FIRST INCIDENCE	---	92 (T)

---

**STATISTICAL TESTS**

POLY 3	P=0.500
POLY 1.5	P=0.500
POLY 6	P=0.500
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	P=0.158

---

Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

**Males**

---

<b>DOSE</b>	<b>0 mg/mL male</b>	<b>1 mg/mL male</b>
-------------	---------------------	---------------------

---

**Pancreas: Acinus  
Atrophy**

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**LESION RATES**

<b>OVERALL (a)</b>	0/10 (0%)	1/10 (10%)
<b>POLY-3 RATE (b)</b>	0/10.00	1/10.00
<b>POLY-3 PERCENT (g)</b>	0%	10%
<b>TERMINAL (d)</b>	0/10 (0%)	1/10 (10%)
<b>FIRST INCIDENCE</b>	---	92 (T)

---

**STATISTICAL TESTS**

<b>POLY 3</b>	P=0.500
<b>POLY 1.5</b>	P=0.500
<b>POLY 6</b>	P=0.500
<b>COCH-ARM / FISHERS</b>	P=0.500
<b>MAX-ISO-POLY-3</b>	P=0.158

---

Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

**Males**

---

<b>DOSE</b>	<b>0 mg/mL male</b>	<b>1 mg/mL male</b>
-------------	---------------------	---------------------

---

**Preputial Gland  
Infiltration Cellular Mononuclear Cell**

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**LESION RATES**

<b>OVERALL (a)</b>	0/10 (0%)	1/10 (10%)
<b>POLY-3 RATE (b)</b>	0/10.00	1/10.00
<b>POLY-3 PERCENT (g)</b>	0%	10%
<b>TERMINAL (d)</b>	0/10 (0%)	1/10 (10%)
<b>FIRST INCIDENCE</b>	---	92 (T)

---

**STATISTICAL TESTS**

<b>POLY 3</b>	P=0.500
<b>POLY 1.5</b>	P=0.500
<b>POLY 6</b>	P=0.500
<b>COCH-ARM / FISHERS</b>	P=0.500
<b>MAX-ISO-POLY-3</b>	P=0.158

---

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

**Males**

---

<b>DOSE</b>	<b>0 mg/mL male</b>	<b>1 mg/mL male</b>
-------------	---------------------	---------------------

---

Preputial Gland  
Inflammation Chronic

---

**LESION RATES**

<b>OVERALL (a)</b>	3/10 (30%)	3/10 (30%)
<b>POLY-3 RATE (b)</b>	3/10.00	3/10.00
<b>POLY-3 PERCENT (g)</b>	30%	30%
<b>TERMINAL (d)</b>	3/10 (30%)	3/10 (30%)
<b>FIRST INCIDENCE</b>	92 (T)	92 (T)

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**STATISTICAL TESTS**

<b>POLY 3</b>	P=0.678
<b>POLY 1.5</b>	P=0.678
<b>POLY 6</b>	P=0.678
<b>COCH-ARM / FISHERS</b>	P=0.686N
<b>MAX-ISO-POLY-3</b>	P=1.000

---



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Species/Strain: RATS/HSD

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

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

**Males**

---

DOSE	0 mg/mL male	1 mg/mL male
------	--------------	--------------

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Stomach, Glandular  
Inflammation Chronic

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**LESION RATES**

OVERALL (a)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)
FIRST INCIDENCE	92 (T)	---

---

**STATISTICAL TESTS**

POLY 3	P=0.500N
POLY 1.5	P=0.500N
POLY 6	P=0.500N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	P=0.158N

---

Experiment Number: 50050 - 01  
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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

**Males**

---

DOSE	0 mg/mL male	1 mg/mL male
------	--------------	--------------

---

Stomach, Glandular  
Mineral

---

**LESION RATES**

OVERALL (a)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)
FIRST INCIDENCE	92 (T)	---

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**STATISTICAL TESTS**

POLY 3	P=0.500N
POLY 1.5	P=0.500N
POLY 6	P=0.500N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	P=0.158N

---

Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

CAS Number: 79917-90-1

Date Report Requested: 10/05/2020

Time Report Requested: 12:59:00

First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

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**Males**

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DOSE	0 mg/mL male	1 mg/mL male
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Testis: Germinal Epithelium  
Degeneration

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**LESION RATES**

OVERALL (a)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	1/10.00
POLY-3 PERCENT (g)	10%	10%
TERMINAL (d)	1/10 (10%)	1/10 (10%)
FIRST INCIDENCE	92 (T)	92 (T)

---

**STATISTICAL TESTS**

POLY 3	P=0.760
POLY 1.5	P=0.760
POLY 6	P=0.760
COCH-ARM / FISHERS	P=0.763N
MAX-ISO-POLY-3	P=1.000

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Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

CAS Number: 79917-90-1

Date Report Requested: 10/05/2020

Time Report Requested: 12:59:00

First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Females			
	0 mg/mL female	0.1 mg/mL female	0.3 mg/mL female	1 mg/mL female
<b>Adrenal Cortex</b>				
<b>Hypertrophy Focal</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92 (T)	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.379N	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.158N

---

Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

CAS Number: 79917-90-1

Date Report Requested: 10/05/2020

Time Report Requested: 12:59:00

First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

DOSE	Females			
	0 mg/mL female	0.1 mg/mL female	0.3 mg/mL female	1 mg/mL female
<b>Bone: Maxilla</b>				
<b>Inflammation Chronic</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92 (T)	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.379N	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.158N

---

Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

CAS Number: 79917-90-1

Date Report Requested: 10/05/2020

Time Report Requested: 12:59:00

First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Females			
	0 mg/mL female	0.1 mg/mL female	0.3 mg/mL female	1 mg/mL female
<b>Clitoral Gland</b>				
<b>Infiltration Cellular Mononuclear Cell</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	4/10 (40%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	4/10.00
POLY-3 PERCENT (g)	10%	0%	0%	40%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	4/10 (40%)
FIRST INCIDENCE	92 (T)	---	---	92 (T)
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.148
POLY 1.5	(e)	(e)	(e)	P=0.148
POLY 6	(e)	(e)	(e)	P=0.148
COCH-ARM / FISHERS	P=0.117	(e)	(e)	P=0.152
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.058

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Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

CAS Number: 79917-90-1

Date Report Requested: 10/05/2020

Time Report Requested: 12:59:00

First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females			
	0 mg/mL female	0.1 mg/mL female	0.3 mg/mL female	1 mg/mL female
<b>Clitoral Gland Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	20%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92 (T)	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.227N
POLY 1.5	(e)	(e)	(e)	P=0.227N
POLY 6	(e)	(e)	(e)	P=0.227N
COCH-ARM / FISHERS	P=0.166N	(e)	(e)	P=0.237N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.066N

Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

CAS Number: 79917-90-1

Date Report Requested: 10/05/2020

Time Report Requested: 12:59:00

First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Females			
	0 mg/mL female	0.1 mg/mL female	0.3 mg/mL female	1 mg/mL female
<b>Heart</b>				
<b>Cardiomyopathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92 (T)	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.379N	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.158N

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Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

CAS Number: 79917-90-1

Date Report Requested: 10/05/2020

Time Report Requested: 12:59:00

First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Females			
	0 mg/mL female	0.1 mg/mL female	0.3 mg/mL female	1 mg/mL female
<b>Kidney</b>				
<b>Nephropathy Chronic Progressive</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	5/10 (50%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
POLY-3 RATE (b)	5/10.00	0/0.00	0/0.00	2/10.00
POLY-3 PERCENT (g)	50%	0%	0%	20%
TERMINAL (d)	5/10 (50%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
FIRST INCIDENCE	92 (T)	---	---	92 (T)
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.174N
POLY 1.5	(e)	(e)	(e)	P=0.174N
POLY 6	(e)	(e)	(e)	P=0.174N
COCH-ARM / FISHERS	P=0.140N	(e)	(e)	P=0.175N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.079N

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Experiment Number: 50050 - 01  
 Test Type: 14-WEEK  
 Route: DOSED WATER  
 Species/Strain: RATS/HSD

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

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

CAS Number: 79917-90-1

Date Report Requested: 10/05/2020

Time Report Requested: 12:59:00

First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females			
	0 mg/mL female	0.1 mg/mL female	0.3 mg/mL female	1 mg/mL female
<b>Liver</b>				
<b>Hepatodiaphragmatic Nodule</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	1/1 (100%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	1/1.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	100%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	1/1 (100%)	0/10 (0%)
FIRST INCIDENCE	---	---	92 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	P=0.091	(e)
POLY 1.5	(e)	(e)	P=0.091	(e)
POLY 6	(e)	(e)	P=0.091	(e)
COCH-ARM / FISHERS	P=0.631N	(e)	P=0.091	(e)
MAX-ISO-POLY-3	(e)	(e)	P<0.001**	(e)

Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

CAS Number: 79917-90-1

Date Report Requested: 10/05/2020

Time Report Requested: 12:59:00

First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females			
	0 mg/mL female	0.1 mg/mL female	0.3 mg/mL female	1 mg/mL female
<b>Lymph Node, Mandibular Hyperplasia Lymphocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	92 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.379	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.158

Experiment Number: 50050 - 01  
 Test Type: 14-WEEK  
 Route: DOSED WATER  
 Species/Strain: RATS/HSD

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

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

CAS Number: 79917-90-1

Date Report Requested: 10/05/2020

Time Report Requested: 12:59:00

First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females			
	0 mg/mL female	0.1 mg/mL female	0.3 mg/mL female	1 mg/mL female
<b>Nose: Epithelium Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	9/10 (90%)	10/10 (100%)	7/7 (100%)	0/10 (0%)
POLY-3 RATE (b)	9/10.00	10/10.00	7/7.00	0/10.00
POLY-3 PERCENT (g)	90%	100%	100%	0%
TERMINAL (d)	9/10 (90%)	10/10 (100%)	7/7 (100%)	0/10 (0%)
FIRST INCIDENCE	92 (T)	92 (T)	92 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P=0.500	P=0.570	P<0.001N**
POLY 1.5	P<0.001N**	P=0.500	P=0.570	P<0.001N**
POLY 6	P<0.001N**	P=0.500	P=0.570	P<0.001N**
COCH-ARM / FISHERS	P<0.001N**	P=0.500	P=0.588	P<0.001N**
MAX-ISO-POLY-3	P<0.001N**	P=0.158	P=0.222	P<0.001N**

Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

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First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Females			
	0 mg/mL female	0.1 mg/mL female	0.3 mg/mL female	1 mg/mL female
<hr/>				
Nose: Olfactory Epithelium Accumulation, Hyaline Droplet				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	5/10 (50%)	0/10 (0%)	0/7 (0%)	4/10 (40%)
POLY-3 RATE (b)	5/10.00	0/10.00	0/7.00	4/10.00
POLY-3 PERCENT (g)	50%	0%	0%	40%
TERMINAL (d)	5/10 (50%)	0/10 (0%)	0/7 (0%)	4/10 (40%)
FIRST INCIDENCE	92 (T)	---	---	92 (T)
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.313	P=0.008N**	P=0.030N*	P=0.500N
POLY 1.5	P=0.313	P=0.008N**	P=0.030N*	P=0.500N
POLY 6	P=0.313	P=0.008N**	P=0.030N*	P=0.500N
COCH-ARM / FISHERS	P=0.331	P=0.016N*	P=0.041N*	P=0.500N
MAX-ISO-POLY-3	P=0.020N*	P<0.001N**	P=0.011N*	P=0.332N

---

Experiment Number: 50050 - 01  
Test Type: 14-WEEK  
Route: DOSED WATER  
Species/Strain: RATS/HSD

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

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

CAS Number: 79917-90-1

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First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Females			
	0 mg/mL female	0.1 mg/mL female	0.3 mg/mL female	1 mg/mL female

---

Nose: Respiratory Epithelium  
Inflammation Chronic

---

**LESION RATES**

OVERALL (a)	0/10 (0%)	0/10 (0%)	0/7 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/7.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/7 (0%)	0/10 (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)

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Experiment Number: 50050 - 01  
Test Type: 14-WEEK  
Route: DOSED WATER  
Species/Strain: RATS/HSD

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

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

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First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Females			
	0 mg/mL female	0.1 mg/mL female	0.3 mg/mL female	1 mg/mL female
<b>Nose: Transitional Epithelium Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/7 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/7.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/7 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

CAS Number: 79917-90-1

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First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females			
	0 mg/mL female	0.1 mg/mL female	0.3 mg/mL female	1 mg/mL female
<b>Ovary: Follicle Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92 (T)	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.379N	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.158N



Experiment Number: 50050 - 01  
Test Type: 14-WEEK  
Route: DOSED WATER  
Species/Strain: RATS/HSD

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

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

CAS Number: 79917-90-1

Date Report Requested: 10/05/2020

Time Report Requested: 12:59:00

First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Females			
	0 mg/mL female	0.1 mg/mL female	0.3 mg/mL female	1 mg/mL female
<b>Pancreas: Acinus Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 50050 - 01  
Test Type: 14-WEEK  
Route: DOSED WATER  
Species/Strain: RATS/HSD

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

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

CAS Number: 79917-90-1

Date Report Requested: 10/05/2020

Time Report Requested: 12:59:00

First Dose M/F: 04/25/13 / 04/26/13

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Females			
	0 mg/mL female	0.1 mg/mL female	0.3 mg/mL female	1 mg/mL female
<b>Stomach, Glandular Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

---

Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

DOSE	Females			
	0 mg/mL female	0.1 mg/mL female	0.3 mg/mL female	1 mg/mL female
<b>Stomach, Glandular</b>				
<b>Mineral</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

---

Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

DOSE	Females			
	0 mg/mL female	0.1 mg/mL female	0.3 mg/mL female	1 mg/mL female
<b>Testis: Germinal Epithelium Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

---

Experiment Number: 50050 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

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

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

CAS Number: 79917-90-1

Date Report Requested: 10/05/2020

Time Report Requested: 12:59:00

First Dose M/F: 04/25/13 / 04/26/13

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 \*\*\*