

Experiment Number: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

Final_1 - BMPY Rats

NTP Study Number: C05051
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

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

MALE RATS

Organ

Kidney

Kidney: Pelvis

Liver

Urinary Bladder

Urinary Bladder: Urothelium

Morphology

Inflammation Chronic

Dilation

Hepatodiaphragmatic Nodule

Inflammation Chronic

Hyperplasia

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Adrenal Cortex			
Hypertrophy Focal			
<hr/>			
LESION RATES			
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92 (T)	---	---
<hr/>			
STATISTICAL TESTS			
POLY 3	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.459N	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	P=0.159N

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TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Adrenal Cortex: Bilateral Hypertrophy Focal			
LESION RATES			
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---
STATISTICAL TESTS			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male

Bone: Maxilla
Inflammation Chronic

LESION RATES

OVERALL (a)	0/10 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---

STATISTICAL TESTS

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

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
<hr/>			
Eye: Retina Dysplasia			
<hr/>			
LESION RATES			
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92 (T)	---	---
<hr/>			
STATISTICAL TESTS			
POLY 3	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.459N	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	P=0.159N

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Harderian Gland Inflammation Chronic			
LESION RATES			
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92 (T)	---	---
STATISTICAL TESTS			
POLY 3	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.459N	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	P=0.159N

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First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Islets, Pancreatic Hyperplasia			
LESION RATES			
OVERALL (a)	1/10 (10%)	0/0 (0%)	2/10 (20%)
POLY-3 RATE (b)	1/10.00	0/0.00	2/10.00
POLY-3 PERCENT (g)	10%	0%	20%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	2/10 (20%)
FIRST INCIDENCE	92 (T)	---	92 (T)
STATISTICAL TESTS			
POLY 3	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	P=0.500
POLY 6	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.475	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	P=0.275

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Lab: BAT

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Kidney Inflammation Chronic			
LESION RATES			
OVERALL (a)	0/10 (0%)	1/1 (100%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	1/1.00	0/10.00
POLY-3 PERCENT (g)	0%	100%	0%
TERMINAL (d)	0/10 (0%)	1/1 (100%)	0/10 (0%)
FIRST INCIDENCE	---	92 (T)	---
STATISTICAL TESTS			
POLY 3	P=0.557N	P=0.091	(e)
POLY 1.5	P=0.557N	P=0.091	(e)
POLY 6	P=0.557N	P=0.091	(e)
COCH-ARM / FISHERS	P=0.557N	P=0.091	(e)
MAX-ISO-POLY-3	(e)	P<0.001**	(e)

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Kidney			
Nephropathy Chronic Progressive			
LESION RATES			
OVERALL (a)	10/10 (100%)	1/1 (100%)	9/10 (90%)
POLY-3 RATE (b)	10/10.00	1/1.00	9/10.00
POLY-3 PERCENT (g)	100%	100%	90%
TERMINAL (d)	10/10 (100%)	1/1 (100%)	9/10 (90%)
FIRST INCIDENCE	92 (T)	92 (T)	92 (T)
STATISTICAL TESTS			
POLY 3	P=0.446N	(e)	P=0.500N
POLY 1.5	P=0.446N	(e)	P=0.500N
POLY 6	P=0.446N	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.443N	(e)	P=0.500N
MAX-ISO-POLY-3	P=0.232N	(e)	P=0.159N

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Kidney: Papilla			
Mineral			
LESION RATES			
OVERALL (a)	0/10 (0%)	0/1 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/1.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/1 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	92 (T)
STATISTICAL TESTS			
POLY 3	P=0.446	(e)	P=0.500
POLY 1.5	P=0.446	(e)	P=0.500
POLY 6	P=0.446	(e)	P=0.500
COCH-ARM / FISHERS	P=0.443	(e)	P=0.500
MAX-ISO-POLY-3	P=0.232	(e)	P=0.159

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Kidney: Pelvis Dilation			
LESION RATES			
OVERALL (a)	0/10 (0%)	1/1 (100%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	1/1.00	0/10.00
POLY-3 PERCENT (g)	0%	100%	0%
TERMINAL (d)	0/10 (0%)	1/1 (100%)	0/10 (0%)
FIRST INCIDENCE	---	92 (T)	---
STATISTICAL TESTS			
POLY 3	P=0.557N	P=0.091	(e)
POLY 1.5	P=0.557N	P=0.091	(e)
POLY 6	P=0.557N	P=0.091	(e)
COCH-ARM / FISHERS	P=0.557N	P=0.091	(e)
MAX-ISO-POLY-3	(e)	P<0.001**	(e)

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Kidney: Renal Tubule Mineral			
LESION RATES			
OVERALL (a)	0/10 (0%)	0/1 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/1.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/1 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---
STATISTICAL TESTS			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)

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TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
<hr/>			
Liver			
Extramedullary Hematopoiesis			
<hr/>			
LESION RATES			
OVERALL (a)	2/10 (20%)	0/1 (0%)	1/10 (10%)
POLY-3 RATE (b)	2/10.00	0/1.00	1/10.00
POLY-3 PERCENT (g)	20%	0%	10%
TERMINAL (d)	2/10 (20%)	0/1 (0%)	1/10 (10%)
FIRST INCIDENCE	92 (T)	---	92 (T)
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.503N	P=0.786N	P=0.500N
POLY 1.5	P=0.503N	P=0.786N	P=0.500N
POLY 6	P=0.503N	P=0.786N	P=0.500N
COCH-ARM / FISHERS	P=0.504N	P=0.818N	P=0.500N
MAX-ISO-POLY-3	P=0.365N	P=0.367N	P=0.275N

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TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
<hr/>			
Liver			
Hepatodiaphragmatic Nodule			
<hr/>			
LESION RATES			
OVERALL (a)	0/10 (0%)	1/1 (100%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	1/1.00	0/10.00
POLY-3 PERCENT (g)	0%	100%	0%
TERMINAL (d)	0/10 (0%)	1/1 (100%)	0/10 (0%)
FIRST INCIDENCE	---	92 (T)	---
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.557N	P=0.091	(e)
POLY 1.5	P=0.557N	P=0.091	(e)
POLY 6	P=0.557N	P=0.091	(e)
COCH-ARM / FISHERS	P=0.557N	P=0.091	(e)
MAX-ISO-POLY-3	(e)	P<0.001**	(e)

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TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
<hr/>			
Liver			
Inflammation Chronic			
<hr/>			
LESION RATES			
OVERALL (a)	2/10 (20%)	0/1 (0%)	2/10 (20%)
POLY-3 RATE (b)	2/10.00	0/1.00	2/10.00
POLY-3 PERCENT (g)	20%	0%	20%
TERMINAL (d)	2/10 (20%)	0/1 (0%)	2/10 (20%)
FIRST INCIDENCE	92 (T)	---	92 (T)
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.652	P=0.786N	P=0.702
POLY 1.5	P=0.652	P=0.786N	P=0.702
POLY 6	P=0.652	P=0.786N	P=0.702
COCH-ARM / FISHERS	P=0.663	P=0.818N	P=0.709N
MAX-ISO-POLY-3	P=0.621	P=0.367N	P=1.000

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TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Lung			
Infiltration Cellular Histiocyte			
LESION RATES			
OVERALL (a)	1/10 (10%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	10%	0%	10%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	92 (T)	---	92 (T)
STATISTICAL TESTS			
POLY 3	(e)	(e)	P=0.760
POLY 1.5	(e)	(e)	P=0.760
POLY 6	(e)	(e)	P=0.760
COCH-ARM / FISHERS	P=0.749	(e)	P=0.763N
MAX-ISO-POLY-3	(e)	(e)	P=1.000

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TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Lung			
Inflammation Chronic			
LESION RATES			
OVERALL (a)	0/10 (0%)	0/0 (0%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/0.00	2/10.00
POLY-3 PERCENT (g)	0%	0%	20%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	2/10 (20%)
FIRST INCIDENCE	---	---	92 (T)
STATISTICAL TESTS			
POLY 3	(e)	(e)	P=0.227
POLY 1.5	(e)	(e)	P=0.227
POLY 6	(e)	(e)	P=0.227
COCH-ARM / FISHERS	P=0.206	(e)	P=0.237
MAX-ISO-POLY-3	(e)	(e)	P=0.067

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Mammary Gland: Duct Dilation			
LESION RATES			
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---
STATISTICAL TESTS			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)

Experiment Number: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Nose: Olfactory Epithelium Accumulation, Hyaline Droplet			
LESION RATES			
OVERALL (a)	4/10 (40%)	0/0 (0%)	5/10 (50%)
POLY-3 RATE (b)	4/10.00	0/0.00	5/10.00
POLY-3 PERCENT (g)	40%	0%	50%
TERMINAL (d)	4/10 (40%)	0/0 (0%)	5/10 (50%)
FIRST INCIDENCE	92 (T)	---	92 (T)
STATISTICAL TESTS			
POLY 3	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	P=0.500
POLY 6	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.482	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	P=0.333

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Pancreas			
Atrophy			
LESION RATES			
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92 (T)	---	---
STATISTICAL TESTS			
POLY 3	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.459N	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	P=0.159N

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Pancreas			
Basophilic Focus			
<hr/>			
LESION RATES			
OVERALL (a)	0/10 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	92 (T)
<hr/>			
STATISTICAL TESTS			
POLY 3	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	P=0.500
POLY 6	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.459	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	P=0.159

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male

Pancreas: Acinus
Atrophy

LESION RATES			
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---

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

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Pancreas: Acinus Hyperplasia			
LESION RATES			
OVERALL (a)	0/10 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	92 (T)
STATISTICAL TESTS			
POLY 3	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	P=0.500
POLY 6	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.459	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	P=0.159

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Preputial Gland Infiltration Cellular Mononuclear Cell			
LESION RATES			
OVERALL (a)	0/10 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	92 (T)
STATISTICAL TESTS			
POLY 3	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	P=0.500
POLY 6	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.459	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	P=0.159

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Preputial Gland Inflammation Chronic			
LESION RATES			
OVERALL (a)	4/10 (40%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	4/10.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	40%	0%	10%
TERMINAL (d)	4/10 (40%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	92 (T)	---	92 (T)
STATISTICAL TESTS			
POLY 3	(e)	(e)	P=0.148N
POLY 1.5	(e)	(e)	P=0.148N
POLY 6	(e)	(e)	P=0.148N
COCH-ARM / FISHERS	P=0.139N	(e)	P=0.152N
MAX-ISO-POLY-3	(e)	(e)	P=0.058N

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Stomach, Glandular Dilation			
LESION RATES			
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92 (T)	---	---
STATISTICAL TESTS			
POLY 3	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.459N	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	P=0.159N

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
<hr/>			
Tooth Necrosis			
<hr/>			
LESION RATES			
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---
<hr/>			
STATISTICAL TESTS			
POLY 3	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Ureter			
Inflammation Chronic			
LESION RATES			
OVERALL (a)	0/0 (0%)	1/1 (100%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	1/1.00	0/0.00
POLY-3 PERCENT (g)	0%	100%	0%
TERMINAL (d)	0/0 (0%)	1/1 (100%)	0/0 (0%)
FIRST INCIDENCE	---	92 (T)	---
STATISTICAL TESTS			
POLY 3	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Urinary Bladder Inflammation Chronic			
LESION RATES			
OVERALL (a)	0/10 (0%)	1/1 (100%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	1/1.00	0/10.00
POLY-3 PERCENT (g)	0%	100%	0%
TERMINAL (d)	0/10 (0%)	1/1 (100%)	0/10 (0%)
FIRST INCIDENCE	---	92 (T)	---
STATISTICAL TESTS			
POLY 3	P=0.557N	P=0.091	(e)
POLY 1.5	P=0.557N	P=0.091	(e)
POLY 6	P=0.557N	P=0.091	(e)
COCH-ARM / FISHERS	P=0.557N	P=0.091	(e)
MAX-ISO-POLY-3	(e)	P<0.001**	(e)

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

DOSE	Males		
	0 mg/mL male	0.3 mg/mL male	3 mg/mL male
Urinary Bladder: Urothelium Hyperplasia			
LESION RATES			
OVERALL (a)	0/10 (0%)	1/1 (100%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	1/1.00	0/10.00
POLY-3 PERCENT (g)	0%	100%	0%
TERMINAL (d)	0/10 (0%)	1/1 (100%)	0/10 (0%)
FIRST INCIDENCE	---	92 (T)	---
STATISTICAL TESTS			
POLY 3	P=0.557N	P=0.091	(e)
POLY 1.5	P=0.557N	P=0.091	(e)
POLY 6	P=0.557N	P=0.091	(e)
COCH-ARM / FISHERS	P=0.557N	P=0.091	(e)
MAX-ISO-POLY-3	(e)	P<0.001**	(e)

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

Females

DOSE	0 mg/mL female	6 mg/mL female
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Adrenal Cortex
Hypertrophy Focal

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: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride
CAS Number: 479500-35-1

Date Report Requested: 01/08/2020
Time Report Requested: 11:04:53
First Dose M/F: 08/22/13 / 08/23/13
Lab: BAT

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

Females

DOSE	0 mg/mL female	6 mg/mL female
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Adrenal Cortex: Bilateral
Hypertrophy Focal

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: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride
CAS Number: 479500-35-1

Date Report Requested: 01/08/2020
Time Report Requested: 11:04:53
First Dose M/F: 08/22/13 / 08/23/13
Lab: BAT

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

Females

DOSE	0 mg/mL female	6 mg/mL female
------	----------------	----------------

**Bone: Maxilla
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: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride
CAS Number: 479500-35-1

Date Report Requested: 01/08/2020
Time Report Requested: 11:04:53
First Dose M/F: 08/22/13 / 08/23/13
Lab: BAT

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

Females

DOSE	0 mg/mL female	6 mg/mL female
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Clitoral Gland
Infiltration Cellular Mononuclear Cell

LESION RATES

OVERALL (a)	3/10 (30%)	1/10 (10%)
POLY-3 RATE (b)	3/10.00	1/10.00
POLY-3 PERCENT (g)	30%	10%
TERMINAL (d)	3/10 (30%)	1/10 (10%)
FIRST INCIDENCE	92 (T)	92 (T)

STATISTICAL TESTS

POLY 3	P=0.292N
POLY 1.5	P=0.292N
POLY 6	P=0.292N
COCH-ARM / FISHERS	P=0.291N
MAX-ISO-POLY-3	P=0.136N

Experiment Number: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride
CAS Number: 479500-35-1

Date Report Requested: 01/08/2020
Time Report Requested: 11:04:53
First Dose M/F: 08/22/13 / 08/23/13
Lab: BAT

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

Females

DOSE	0 mg/mL female	6 mg/mL female
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Clitoral Gland
Inflammation Chronic

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: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride
CAS Number: 479500-35-1

Date Report Requested: 01/08/2020
Time Report Requested: 11:04:53
First Dose M/F: 08/22/13 / 08/23/13
Lab: BAT

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

Females		
DOSE	0 mg/mL female	6 mg/mL female
<hr/>		
Eye: Retina Dysplasia		
<hr/>		
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	---	---
<hr/>		
STATISTICAL TESTS		
POLY 3		(n)
POLY 1.5		(n)
POLY 6		(n)
COCH-ARM / FISHERS		(n)
MAX-ISO-POLY-3		(n)

Experiment Number: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

Females

DOSE	0 mg/mL female	6 mg/mL female
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Harderian Gland
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	---	---

STATISTICAL TESTS

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

Experiment Number: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride
CAS Number: 479500-35-1

Date Report Requested: 01/08/2020
Time Report Requested: 11:04:53
First Dose M/F: 08/22/13 / 08/23/13
Lab: BAT

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

Females		
DOSE	0 mg/mL female	6 mg/mL female
Islets, Pancreatic Hyperplasia		
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

Experiment Number: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride
CAS Number: 479500-35-1

Date Report Requested: 01/08/2020
Time Report Requested: 11:04:53
First Dose M/F: 08/22/13 / 08/23/13
Lab: BAT

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

Females		
DOSE	0 mg/mL female	6 mg/mL female
Kidney 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	---	---
STATISTICAL TESTS		
POLY 3		(n)
POLY 1.5		(n)
POLY 6		(n)
COCH-ARM / FISHERS		(n)
MAX-ISO-POLY-3		(n)

Experiment Number: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride
CAS Number: 479500-35-1

Date Report Requested: 01/08/2020
Time Report Requested: 11:04:53
First Dose M/F: 08/22/13 / 08/23/13
Lab: BAT

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

Females

DOSE	0 mg/mL female	6 mg/mL female
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Kidney
Nephropathy Chronic Progressive

LESION RATES

OVERALL (a)	5/10 (50%)	6/10 (60%)
POLY-3 RATE (b)	5/10.00	6/10.00
POLY-3 PERCENT (g)	50%	60%
TERMINAL (d)	5/10 (50%)	6/10 (60%)
FIRST INCIDENCE	92 (T)	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=0.332

Experiment Number: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride
CAS Number: 479500-35-1

Date Report Requested: 01/08/2020
Time Report Requested: 11:04:53
First Dose M/F: 08/22/13 / 08/23/13
Lab: BAT

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

Females		
DOSE	0 mg/mL female	6 mg/mL female
<hr/>		
Kidney: Papilla		
Mineral		
<hr/>		
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	---	---
<hr/>		
STATISTICAL TESTS		
POLY 3		(n)
POLY 1.5		(n)
POLY 6		(n)
COCH-ARM / FISHERS		(n)
MAX-ISO-POLY-3		(n)

Experiment Number: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride
CAS Number: 479500-35-1

Date Report Requested: 01/08/2020
Time Report Requested: 11:04:53
First Dose M/F: 08/22/13 / 08/23/13
Lab: BAT

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

Females		
DOSE	0 mg/mL female	6 mg/mL female
Kidney: Pelvis Dilation		
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	---	---
STATISTICAL TESTS		
POLY 3		(n)
POLY 1.5		(n)
POLY 6		(n)
COCH-ARM / FISHERS		(n)
MAX-ISO-POLY-3		(n)

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

Females

DOSE	0 mg/mL female	6 mg/mL female
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**Kidney: Renal Tubule
Mineral**

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: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride
CAS Number: 479500-35-1

Date Report Requested: 01/08/2020
Time Report Requested: 11:04:53
First Dose M/F: 08/22/13 / 08/23/13
Lab: BAT

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

Females

DOSE	0 mg/mL female	6 mg/mL female
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Liver
Extramedullary Hematopoiesis

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: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

Females

DOSE	0 mg/mL female	6 mg/mL female
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Liver
Hepatodiaphragmatic Nodule

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: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride
CAS Number: 479500-35-1

Date Report Requested: 01/08/2020
Time Report Requested: 11:04:53
First Dose M/F: 08/22/13 / 08/23/13
Lab: BAT

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

Females		
DOSE	0 mg/mL female	6 mg/mL female
<hr/>		
Liver		
Inflammation Chronic		
<hr/>		
LESION RATES		
OVERALL (a)	4/10 (40%)	3/10 (30%)
POLY-3 RATE (b)	4/10.00	3/10.00
POLY-3 PERCENT (g)	40%	30%
TERMINAL (d)	4/10 (40%)	3/10 (30%)
FIRST INCIDENCE	92 (T)	92 (T)
<hr/>		
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

Experiment Number: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride
CAS Number: 479500-35-1

Date Report Requested: 01/08/2020
Time Report Requested: 11:04:53
First Dose M/F: 08/22/13 / 08/23/13
Lab: BAT

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

Females		
DOSE	0 mg/mL female	6 mg/mL female
<hr/>		
Lung Infiltration Cellular Histiocyte		
<hr/>		
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	---	---
<hr/>		
STATISTICAL TESTS		
POLY 3		(n)
POLY 1.5		(n)
POLY 6		(n)
COCH-ARM / FISHERS		(n)
MAX-ISO-POLY-3		(n)

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

Females

DOSE	0 mg/mL female	6 mg/mL female
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**Lung
Inflammation Chronic**

LESION RATES

OVERALL (a)	4/10 (40%)	2/10 (20%)
POLY-3 RATE (b)	4/10.00	2/10.00
POLY-3 PERCENT (g)	40%	20%
TERMINAL (d)	4/10 (40%)	2/10 (20%)
FIRST INCIDENCE	92 (T)	92 (T)

STATISTICAL TESTS

POLY 3	P=0.318N
POLY 1.5	P=0.318N
POLY 6	P=0.318N
COCH-ARM / FISHERS	P=0.314N
MAX-ISO-POLY-3	P=0.172N

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

Females

DOSE	0 mg/mL female	6 mg/mL female
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**Mammary Gland: Duct
Dilation**

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: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

Females

DOSE	0 mg/mL female	6 mg/mL female
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**Nose: Olfactory Epithelium
Accumulation, Hyaline Droplet**

LESION RATES

OVERALL (a)	3/10 (30%)	4/10 (40%)
POLY-3 RATE (b)	3/10.00	4/10.00
POLY-3 PERCENT (g)	30%	40%
TERMINAL (d)	3/10 (30%)	4/10 (40%)
FIRST INCIDENCE	92 (T)	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=0.325

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

Females

DOSE	0 mg/mL female	6 mg/mL female
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**Pancreas
Atrophy**

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	---	---

STATISTICAL TESTS

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

Experiment Number: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride
CAS Number: 479500-35-1

Date Report Requested: 01/08/2020
Time Report Requested: 11:04:53
First Dose M/F: 08/22/13 / 08/23/13
Lab: BAT

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

Females		
DOSE	0 mg/mL female	6 mg/mL female
Pancreas		
Basophilic Focus		
<hr/>		
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	---	---
<hr/>		
STATISTICAL TESTS		
POLY 3		(n)
POLY 1.5		(n)
POLY 6		(n)
COCH-ARM / FISHERS		(n)
MAX-ISO-POLY-3		(n)

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

Females

DOSE	0 mg/mL female	6 mg/mL female
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Pancreas: Acinus
Atrophy

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: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride
CAS Number: 479500-35-1

Date Report Requested: 01/08/2020
Time Report Requested: 11:04:53
First Dose M/F: 08/22/13 / 08/23/13
Lab: BAT

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

Females		
DOSE	0 mg/mL female	6 mg/mL female
Pancreas: Acinus Hyperplasia		
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	---	---
STATISTICAL TESTS		
POLY 3		(n)
POLY 1.5		(n)
POLY 6		(n)
COCH-ARM / FISHERS		(n)
MAX-ISO-POLY-3		(n)

Experiment Number: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride
CAS Number: 479500-35-1

Date Report Requested: 01/08/2020
Time Report Requested: 11:04:53
First Dose M/F: 08/22/13 / 08/23/13
Lab: BAT

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

Females		
DOSE	0 mg/mL female	6 mg/mL female
<hr/>		
Stomach, Glandular Dilation		
<hr/>		
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	---	---
<hr/>		
STATISTICAL TESTS		
POLY 3		(n)
POLY 1.5		(n)
POLY 6		(n)
COCH-ARM / FISHERS		(n)
MAX-ISO-POLY-3		(n)

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

Lab: BAT

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

Females		
DOSE	0 mg/mL female	6 mg/mL female
<hr/>		
Tooth		
Necrosis		
<hr/>		
LESION RATES		
OVERALL (a)	0/0 (0%)	1/1 (100%)
POLY-3 RATE (b)	0/0.00	1/1.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/0 (0%)	1/1 (100%)
FIRST INCIDENCE	---	92 (T)
<hr/>		
STATISTICAL TESTS		
POLY 3		(e)
POLY 1.5		(e)
POLY 6		(e)
COCH-ARM / FISHERS		(e)
MAX-ISO-POLY-3		(e)

Experiment Number: 50051 - 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**

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

Experiment Number: 50051 - 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**

Females		
DOSE	0 mg/mL female	6 mg/mL female
Urinary Bladder 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	---	---
STATISTICAL TESTS		
POLY 3		(n)
POLY 1.5		(n)
POLY 6		(n)
COCH-ARM / FISHERS		(n)
MAX-ISO-POLY-3		(n)

Experiment Number: 50051 - 01
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride
CAS Number: 479500-35-1

Date Report Requested: 01/08/2020
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First Dose M/F: 08/22/13 / 08/23/13
Lab: BAT

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

Females		
DOSE	0 mg/mL female	6 mg/mL female
Urinary Bladder: Urothelium Hyperplasia		
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	---	---
STATISTICAL TESTS		
POLY 3		(n)
POLY 1.5		(n)
POLY 6		(n)
COCH-ARM / FISHERS		(n)
MAX-ISO-POLY-3		(n)

Experiment Number: 50051 - 01

Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:04:53

First Dose M/F: 08/22/13 / 08/23/13

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 ***