

**Experiment Number:** 20314-01  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Rat/F 344/NCTR

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH  
AVERAGE SEVERITY GRADES[b]**

**Test Compound:** Glycidamide

**CAS Number:** 5694-00-8

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 14:16:19

**First Dose M/F:** NA / NA

**Lab:** NCTR

<b>C Number:</b>	C20314
<b>Lock Date:</b>	Not Entered.
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

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F 344/NCTR Rat MALE	CONTROL	12.2 UG/ML	30.6 UG/ML	61.2 UG/ML	122 UG/ML	306 UG/ML
<b>Disposition Summary</b>						
Animals Initially In Study	8	8	8	8	8	8
Early Deaths						
Survivors						
Terminal Sacrifice	8	8	8	8	8	8
Animals Examined Microscopically	8	8	8	8	8	8
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Large, Cecum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Large, Colon	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Large, Rectum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Small, Duodenum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Small, Ileum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Small, Jejunum	(8)	(0)	(0)	(0)	(0)	(8)
Liver	(8)	(2)	(1)	(0)	(1)	(8)
Hematopoietic Cell Proliferation						1 [1.0]
Hepatodiaphragmatic Nodule	1		1			
Left Lat Lobe, Developmental Malformation	1	2			1	1
Pancreas	(8)	(0)	(0)	(0)	(0)	(8)
Salivary Glands	(8)	(0)	(0)	(0)	(0)	(8)
Stomach, Forestomach	(8)	(0)	(0)	(0)	(0)	(8)
Stomach, Glandular	(8)	(0)	(0)	(0)	(0)	(8)
Tongue	(8)	(0)	(0)	(0)	(0)	(8)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(8)	(0)	(0)	(0)	(0)	(8)
Heart	(8)	(0)	(0)	(0)	(0)	(8)
Artery, Inflammation	1 [2.0]					
Myocardium, Inflammation, Focal	5 [1.8]					4 [1.0]

a - Number of animals examined microscopically at site and number of animals with lesion  
 b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

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F 344/NCTR Rat MALE	CONTROL	12.2 UG/ML	30.6 UG/ML	61.2 UG/ML	122 UG/ML	306 UG/ML
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(8)	(0)	(0)	(0)	(0)	(8)
Adrenal Medulla	(8)	(0)	(0)	(0)	(0)	(8)
Islets, Pancreatic	(8)	(0)	(0)	(0)	(0)	(8)
Parathyroid Gland	(8)	(0)	(0)	(0)	(0)	(8)
Pituitary Gland	(8)	(0)	(0)	(0)	(0)	(7)
Thyroid Gland	(8)	(0)	(0)	(0)	(0)	(8)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Epididymis	(8)	(8)	(8)	(8)	(8)	(8)
Exfoliated Germ Cell			3 [1.0]	8 [1.9]	8 [3.0]	8 [4.0]
Hypospermia				6 [1.5]	8 [2.9]	8 [4.0]
Preputial Gland	(8)	(1)	(0)	(0)	(0)	(8)
Inflammation						1 [2.0]
Inflammation, Chronic	3 [1.7]					1 [2.0]
Inflammation, Suppurative	2 [3.0]	1 [2.0]				5 [2.2]
Prostate	(8)	(0)	(0)	(0)	(0)	(8)
Inflammation, Suppurative	1 [3.0]					
Seminal Vesicle	(8)	(0)	(0)	(0)	(0)	(8)
Testes	(8)	(8)	(8)	(8)	(8)	(8)
Germinal Epith, Degeneration		2 [1.0]	3 [1.0]	8 [1.9]	8 [2.8]	8 [3.9]
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(8)	(0)	(0)	(0)	(0)	(8)
Lymph Node, Mandibular	(8)	(0)	(0)	(0)	(0)	(8)
Lymph Node, Mesenteric	(8)	(0)	(0)	(0)	(0)	(8)
Spleen	(8)	(1)	(0)	(0)	(0)	(8)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

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**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]**  
 Test Compound: Glycidamide  
 CAS Number: 5694-00-8

Date Report Requested: 10/23/2014  
 Time Report Requested: 14:16:19  
 First Dose M/F: NA / NA  
 Lab: NCTR

F 344/NCTR Rat MALE	CONTROL	12.2 UG/ML	30.6 UG/ML	61.2 UG/ML	122 UG/ML	306 UG/ML
Congestion						1 [2.0]
Developmental Malformation		1				
Thymus	(8)	(0)	(0)	(0)	(0)	(8)
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(8)	(0)	(0)	(0)	(0)	(8)
Skin	(8)	(0)	(0)	(0)	(0)	(8)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone, Femur	(8)	(0)	(0)	(0)	(0)	(8)
Skeletal Muscle	(8)	(0)	(0)	(0)	(0)	(8)
<b>NERVOUS SYSTEM</b>						
Brain, Brain Stem	(8)	(0)	(0)	(0)	(0)	(8)
Brain, Cerebellum	(8)	(0)	(0)	(0)	(0)	(8)
Brain, Cerebrum	(8)	(0)	(0)	(0)	(0)	(8)
Peripheral Nerve	(8)	(0)	(0)	(0)	(0)	(8)
Spinal Cord, Cervical	(8)	(0)	(0)	(0)	(0)	(8)
Spinal Cord, Lumbar	(8)	(0)	(0)	(0)	(0)	(8)
Axon, Degeneration						2 [1.0]
Spinal Cord, Thoracic	(8)	(0)	(0)	(0)	(0)	(8)
<b>RESPIRATORY SYSTEM</b>						
Lung	(8)	(0)	(0)	(0)	(0)	(8)
Artery, Mineralization	1 [1.0]					
Nose	(8)	(0)	(0)	(0)	(0)	(8)
Goblet Cell, Hyperplasia	7 [1.6]					5 [2.2]
Trachea	(8)	(0)	(0)	(0)	(0)	(8)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(8)	(0)	(0)	(0)	(0)	(8)
Retina, Degeneration						1 [1.0]

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**CAS Number:** 5694-00-8

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F 344/NCTR Rat MALE	CONTROL	12.2 UG/ML	30.6 UG/ML	61.2 UG/ML	122 UG/ML	306 UG/ML
Harderian Gland Inflammation, Chronic	(8) 1 [2.0]	(0)	(0)	(0)	(0)	(8)
URINARY SYSTEM						
Kidney Cortex, Inflammation, Chronic	(8)	(0)	(0)	(0)	(0)	(8) 1 [1.0]
Urinary Bladder Dilatation	(8)	(0)	(0)	(0)	(0)	(8) 2 [2.5]

\*\*\*END OF MALE DATA\*\*\*

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F 344/NCTR Rat FEMALE	CONTROL	12.2 UG/ML	30.6 UG/ML	61.2 UG/ML	122 UG/ML	306 UG/ML
<b>Disposition Summary</b>						
Animals Initially In Study	8	8	8	8	8	8
Early Deaths						
Survivors						
Terminal Sacrifice	8	8	8	8	8	8
Animals Examined Microscopically	8	3	4	4	3	8
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Large, Cecum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Large, Colon	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Large, Rectum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Small, Duodenum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Small, Ileum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Small, Jejunum	(8)	(0)	(0)	(0)	(0)	(8)
Liver	(8)	(2)	(2)	(2)	(1)	(8)
Hepatodiaphragmatic Nodule		1	1			
Inflammation, Chronic Active, Focal						1 [1.0]
Left Lat Lobe, Developmental Malformation	1	1	1	2	1	
Tension Lipidosis						1
Mesentery	(1)	(0)	(0)	(0)	(0)	(1)
Fat, Necrosis	1 [3.0]					1 [2.0]
Pancreas	(8)	(0)	(0)	(0)	(0)	(8)
Acinus, Atrophy						1 [1.0]
Salivary Glands	(8)	(0)	(0)	(0)	(0)	(8)
Stomach, Forestomach	(8)	(0)	(0)	(0)	(0)	(8)
Stomach, Glandular	(8)	(0)	(0)	(0)	(0)	(8)
Tongue	(8)	(0)	(0)	(0)	(0)	(8)
<b>CARDIOVASCULAR SYSTEM</b>						

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F 344/NCTR Rat FEMALE	CONTROL	12.2 UG/ML	30.6 UG/ML	61.2 UG/ML	122 UG/ML	306 UG/ML
Blood Vessel	(8)	(0)	(0)	(0)	(0)	(8)
Heart	(8)	(0)	(0)	(0)	(0)	(8)
Myocardium, Inflammation, Focal	2 [1.0]					3 [1.0]
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(8)	(0)	(0)	(0)	(0)	(8)
Adrenal Medulla	(8)	(0)	(0)	(0)	(0)	(8)
Islets, Pancreatic	(8)	(0)	(0)	(0)	(0)	(8)
Parathyroid Gland	(8)	(0)	(0)	(0)	(0)	(8)
Pituitary Gland	(8)	(0)	(0)	(0)	(0)	(8)
Thyroid Gland	(8)	(0)	(0)	(0)	(0)	(8)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Clitoral Gland	(8)	(0)	(0)	(0)	(0)	(8)
Inflammation, Chronic	3 [2.0]					5 [2.0]
Inflammation, Suppurative	3 [2.7]					1 [2.0]
Ovary	(8)	(2)	(0)	(1)	(0)	(8)
Corpus Luteum, Cyst						1
Cyst	2	2		1		2
Uterus	(8)	(1)	(3)	(1)	(2)	(8)
Dilatation	2 [3.0]	1 [3.0]	3 [2.7]	1 [3.0]	2 [3.0]	2 [3.0]
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(8)	(0)	(0)	(0)	(0)	(8)
Lymph Node, Mandibular	(8)	(0)	(0)	(0)	(0)	(8)
Lymph Node, Mesenteric	(8)	(0)	(0)	(0)	(0)	(8)
Spleen	(8)	(0)	(0)	(0)	(0)	(8)
Thymus	(8)	(0)	(0)	(0)	(0)	(8)

a - Number of animals examined microscopically at site and number of animals with lesion

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F 344/NCTR Rat FEMALE	CONTROL	12.2 UG/ML	30.6 UG/ML	61.2 UG/ML	122 UG/ML	306 UG/ML
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(8)	(0)	(0)	(0)	(0)	(8)
Skin	(8)	(0)	(0)	(0)	(0)	(8)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone, Femur	(8)	(0)	(0)	(0)	(0)	(8)
Skeletal Muscle	(8)	(0)	(0)	(0)	(0)	(8)
<b>NERVOUS SYSTEM</b>						
Brain, Brain Stem	(8)	(0)	(0)	(0)	(0)	(8)
Brain, Cerebellum	(8)	(0)	(0)	(0)	(0)	(8)
Brain, Cerebrum	(8)	(0)	(0)	(0)	(0)	(8)
Peripheral Nerve	(8)	(0)	(0)	(0)	(0)	(8)
Axon, Degeneration						1 [1.0]
Schwann Cell, Degeneration						1 [1.0]
Spinal Cord, Cervical	(8)	(0)	(0)	(0)	(0)	(8)
Developmental Malformation	1					
Spinal Cord, Lumbar	(8)	(0)	(0)	(0)	(0)	(8)
Axon, Degeneration						3 [1.3]
Spinal Cord, Thoracic	(8)	(0)	(0)	(0)	(0)	(8)
Developmental Malformation	1					
<b>RESPIRATORY SYSTEM</b>						
Lung	(8)	(1)	(0)	(1)	(0)	(8)
Hemorrhage		1 [1.0]				
Nose	(8)	(0)	(0)	(0)	(0)	(8)
Goblet Cell, Hyperplasia	3 [1.0]					6 [1.8]
Trachea	(8)	(0)	(0)	(0)	(0)	(8)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(8)	(0)	(0)	(0)	(0)	(8)

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<b>F 344/NCTR Rat FEMALE</b>	<b>CONTROL</b>	<b>12.2 UG/ML</b>	<b>30.6 UG/ML</b>	<b>61.2 UG/ML</b>	<b>122 UG/ML</b>	<b>306 UG/ML</b>
Harderian Gland Inflammation, Chronic	(8) 1 [1.0]	(0)	(0)	(0)	(0)	(8) 1 [3.0]
<b>URINARY SYSTEM</b>						
Kidney Cortex, Mineralization	(8) 7 [2.6]	(0)	(0)	(0)	(0)	(8) 4 [2.5]
Hydronephrosis	1 [2.0]					1 [2.0]
Urinary Bladder	(8)	(0)	(0)	(0)	(0)	(8)

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

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