

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

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)

Test Compound: Glycidamide
CAS Number: 5694-00-8

Date Report Requested: 10/23/2014
Time Report Requested: 14:17:04
First Dose M/F: NA / NA
Lab: NCTR

C Number:	C20314
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	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
Disposition Summary						
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
ALIMENTARY SYSTEM						
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 (13%)
Hepatodiaphragmatic Nodule	1 (13%)		1 (100%)			
Left Lat Lobe, Developmental Malformation	1 (13%)	2 (100%)			1 (100%)	1 (13%)
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)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(8)	(0)	(0)	(0)	(0)	(8)
Heart	(8)	(0)	(0)	(0)	(0)	(8)
Artery, Inflammation	1 (13%)					
Myocardium, Inflammation, Focal	5 (63%)					4 (50%)

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

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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
ENDOCRINE SYSTEM						
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)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(8)	(8)	(8)	(8)	(8)	(8)
Exfoliated Germ Cell			3 (38%)	8 (100%)	8 (100%)	8 (100%)
Hypospermia				6 (75%)	8 (100%)	8 (100%)
Preputial Gland	(8)	(1)	(0)	(0)	(0)	(8)
Inflammation						1 (13%)
Inflammation, Chronic	3 (38%)					1 (13%)
Inflammation, Suppurative	2 (25%)	1 (100%)				5 (63%)
Prostate	(8)	(0)	(0)	(0)	(0)	(8)
Inflammation, Suppurative	1 (13%)					
Seminal Vesicle	(8)	(0)	(0)	(0)	(0)	(8)
Testes	(8)	(8)	(8)	(8)	(8)	(8)
Germinal Epith, Degeneration		2 (25%)	3 (38%)	8 (100%)	8 (100%)	8 (100%)
HEMATOPOIETIC SYSTEM						
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)
Congestion						1 (13%)

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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
Developmental Malformation		1 (100%)				
Thymus	(8)	(0)	(0)	(0)	(0)	(8)
INTEGUMENTARY SYSTEM						
Mammary Gland	(8)	(0)	(0)	(0)	(0)	(8)
Skin	(8)	(0)	(0)	(0)	(0)	(8)
MUSCULOSKELETAL SYSTEM						
Bone, Femur	(8)	(0)	(0)	(0)	(0)	(8)
Skeletal Muscle	(8)	(0)	(0)	(0)	(0)	(8)
NERVOUS SYSTEM						
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 (25%)
Spinal Cord, Thoracic	(8)	(0)	(0)	(0)	(0)	(8)
RESPIRATORY SYSTEM						
Lung	(8)	(0)	(0)	(0)	(0)	(8)
Artery, Mineralization	1 (13%)					
Nose	(8)	(0)	(0)	(0)	(0)	(8)
Goblet Cell, Hyperplasia	7 (88%)					5 (63%)
Trachea	(8)	(0)	(0)	(0)	(0)	(8)
SPECIAL SENSES SYSTEM						
Eye	(8)	(0)	(0)	(0)	(0)	(8)
Retina, Degeneration						1 (13%)
Harderian Gland	(8)	(0)	(0)	(0)	(0)	(8)
Inflammation, Chronic	1 (13%)					

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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
<hr/>						
URINARY SYSTEM						
Kidney	(8)	(0)	(0)	(0)	(0)	(8)
Cortex, Inflammation, Chronic						1 (13%)
Urinary Bladder	(8)	(0)	(0)	(0)	(0)	(8)
Dilatation						2 (25%)

END OF MALE DATA

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Disposition Summary						
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
ALIMENTARY SYSTEM						
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 (50%)	1 (50%)			
Inflammation, Chronic Active, Focal						1 (13%)
Left Lat Lobe, Developmental Malformation	1 (13%)	1 (50%)	1 (50%)	2 (100%)	1 (100%)	
Tension Lipidosis						1 (13%)
Mesentery	(1)	(0)	(0)	(0)	(0)	(1)
Fat, Necrosis	1 (100%)					1 (100%)
Pancreas	(8)	(0)	(0)	(0)	(0)	(8)
Acinus, Atrophy						1 (13%)
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)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(8)	(0)	(0)	(0)	(0)	(8)

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Heart	(8)	(0)	(0)	(0)	(0)	(8)
Myocardium, Inflammation, Focal	2 (25%)					3 (38%)
ENDOCRINE SYSTEM						
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)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(8)	(0)	(0)	(0)	(0)	(8)
Inflammation, Chronic	3 (38%)					5 (63%)
Inflammation, Suppurative	3 (38%)					1 (13%)
Ovary	(8)	(2)	(0)	(1)	(0)	(8)
Corpus Luteum, Cyst						1 (13%)
Cyst	2 (25%)	2 (100%)		1 (100%)		2 (25%)
Uterus	(8)	(1)	(3)	(1)	(2)	(8)
Dilatation	2 (25%)	1 (100%)	3 (100%)	1 (100%)	2 (100%)	2 (25%)
HEMATOPOIETIC SYSTEM						
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)
INTEGUMENTARY SYSTEM						
Mammary Gland	(8)	(0)	(0)	(0)	(0)	(8)

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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
Skin	(8)	(0)	(0)	(0)	(0)	(8)
MUSCULOSKELETAL SYSTEM						
Bone, Femur	(8)	(0)	(0)	(0)	(0)	(8)
Skeletal Muscle	(8)	(0)	(0)	(0)	(0)	(8)
NERVOUS SYSTEM						
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 (13%)
Schwann Cell, Degeneration						1 (13%)
Spinal Cord, Cervical	(8)	(0)	(0)	(0)	(0)	(8)
Developmental Malformation	1 (13%)					
Spinal Cord, Lumbar	(8)	(0)	(0)	(0)	(0)	(8)
Axon, Degeneration						3 (38%)
Spinal Cord, Thoracic	(8)	(0)	(0)	(0)	(0)	(8)
Developmental Malformation	1 (13%)					
RESPIRATORY SYSTEM						
Lung	(8)	(1)	(0)	(1)	(0)	(8)
Hemorrhage		1 (100%)				
Nose	(8)	(0)	(0)	(0)	(0)	(8)
Goblet Cell, Hyperplasia	3 (38%)					6 (75%)
Trachea	(8)	(0)	(0)	(0)	(0)	(8)
SPECIAL SENSES SYSTEM						
Eye	(8)	(0)	(0)	(0)	(0)	(8)
Harderian Gland	(8)	(0)	(0)	(0)	(0)	(8)
Inflammation, Chronic	1 (13%)					1 (13%)
URINARY SYSTEM						

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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
Kidney	(8)	(0)	(0)	(0)	(0)	(8)
Cortex, Mineralization	7 (88%)					4 (50%)
Hydronephrosis	1 (13%)					1 (13%)
Urinary Bladder	(8)	(0)	(0)	(0)	(0)	(8)

**** END OF REPORT ****

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