

Experiment Number: 93027-41
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: Rat/HSD

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

Test Compound: Peroxisome project (2,4-Dichlorophenoxyacetic acid)
CAS Number: 94-75-7

Date Report Requested: 10/20/2014
Time Report Requested: 02:22:44
First Dose M/F: NA / NA
Lab: BAT

C Number: C93027C
Lock Date: 06/12/1996
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Male
PWG Approval Date: NONE

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Lab: BAT

HSD Rat MALE	0 PPM	17 PPM	83 PPM	250 PPM	750 PPM	1250 PPM
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(0)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Clear Cell Focus						1
Infiltration Cellular, Mononuclear Cl	1 [1.0]	1 [1.0]			1 [1.0]	
Pancreas	(10)	(10)	(10)	(10)	(10)	(10)
Acinar Cell, Atrophy					1 [2.0]	
Inflammation, Chronic				1 [1.0]		
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(0)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(0)
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(10)
Mineralization	1 [1.0]	8 [1.3]	6 [1.3]	6 [1.2]	9 [1.6]	9 [1.2]
CARDIOVASCULAR SYSTEM						
Heart	(10)	(0)	(0)	(0)	(0)	(0)
Cardiomyopathy	6 [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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Lab: BAT

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ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(10)	(10)	(10)	(10)	(10)
Hypertrophy, Focal	1 [2.0]			1 [2.0]		
Zona Glomer, Vacuolization Cytoplasmic		1 [1.0]	1 [2.0]	1 [2.0]	1 [1.0]	1 [2.0]
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(0)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(0)
Parathyroid Gland	(10)	(0)	(0)	(0)	(0)	(0)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(0)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(0)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(0)	(0)	(0)	(0)	(0)
Preputial Gland	(10)	(10)	(9)	(8)	(9)	(10)
Inflammation, Chronic	8 [1.9]	10 [2.3]	7 [2.1]	7 [2.9]	6 [2.3]	8 [2.8]
Prostate	(10)	(0)	(0)	(0)	(0)	(0)
Inflammation, Chronic	1 [1.0]					
Seminal Vesicle	(10)	(0)	(0)	(0)	(0)	(0)
Testes	(10)	(10)	(10)	(10)	(10)	(10)
Atrophy						
HEMATOPOIETIC SYSTEM						
Lymph Node, Mandibular	(10)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(0)
Spleen	(10)	(0)	(0)	(0)	(0)	(0)
Thymus	(10)	(0)	(0)	(0)	(0)	(0)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(0)	(0)

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Lab: BAT

HSD Rat MALE	0 PPM	17 PPM	83 PPM	250 PPM	750 PPM	1250 PPM
Skin	(10)	(0)	(0)	(0)	(0)	(0)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(0)
Maxilla, Inflammation, Chronic	1 [3.0]					
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(0)
RESPIRATORY SYSTEM						
Larynx	(1)	(0)	(0)	(0)	(0)	(0)
Lung	(10)	(0)	(0)	(1)	(0)	(0)
Alveolus, Infiltration Cellular, Histiocyte	1 [1.0]					
Hemorrhage	1 [2.0]			1 [3.0]		
Infiltration Cellular, Histiocyte	1 [1.0]					
Inflammation						
Inflammation, Chronic						
Nose	(10)	(0)	(0)	(0)	(0)	(0)
Trachea	(10)	(0)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM						
Eye	(0)	(0)	(0)	(0)	(0)	(1)
Lacrimal Gland	(1)	(0)	(0)	(0)	(0)	(0)
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Corticomed Jct, Renal Tubule, Regeneration		1 [1.0]	5 [1.0]	5 [1.0]	9 [1.4]	10 [1.9]
Nephropathy	6 [1.2]	9 [1.2]	9 [1.1]	10 [1.0]	7 [1.0]	4 [1.0]
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(0)

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Lab: BAT

HSD Rat MALE	2500 PPM
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Disposition Summary

Animals Initially In Study	10
Early Deaths	
Survivors	
Terminal Sacrifice	10
Animals Examined Microscopically	10

ALIMENTARY SYSTEM

Esophagus	(10)
Intestine Large, Cecum	(10)
Intestine Large, Colon	(10)
Intestine Large, Rectum	(10)
Intestine Small, Duodenum	(10)
Intestine Small, Ileum	(10)
Intestine Small, Jejunum	(10)
Liver	(10)
Clear Cell Focus	
Infiltration Cellular, Mononuclear CI	
Pancreas	(10)
Acinar Cell, Atrophy	
Inflammation, Chronic	
Salivary Glands	(10)
Stomach, Forestomach	(10)
Stomach, Glandular	(10)
Mineralization	9 [1.4]

CARDIOVASCULAR SYSTEM

Heart	(10)
Cardiomyopathy	3 [1.3]

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HSD Rat MALE	2500 PPM
ENDOCRINE SYSTEM	
Adrenal Cortex	(10)
Hypertrophy, Focal	
Zona Glomer, Vacuolization Cytoplasmic	2 [2.5]
Adrenal Medulla	(10)
Islets, Pancreatic	(10)
Parathyroid Gland	(9)
Pituitary Gland	(10)
Thyroid Gland	(10)
GENERAL BODY SYSTEM	
None	
GENITAL SYSTEM	
Epididymis	(10)
Preputial Gland	(10)
Inflammation, Chronic	10 [2.6]
Prostate	(10)
Inflammation, Chronic	
Seminal Vesicle	(10)
Testes	(10)
Atrophy	1 [3.0]
HEMATOPOIETIC SYSTEM	
Lymph Node, Mandibular	(10)
Lymph Node, Mesenteric	(10)
Spleen	(10)
Thymus	(10)
INTEGUMENTARY SYSTEM	
Mammary Gland	(10)

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Lab: BAT

HSD Rat MALE	2500 PPM
Skin	(10)
MUSCULOSKELETAL SYSTEM	
Bone	(10)
Maxilla, Inflammation, Chronic	
NERVOUS SYSTEM	
Brain	(10)
RESPIRATORY SYSTEM	
Larynx	(0)
Lung	(10)
Alveolus, Infiltration Cellular, Histiocyte	
Hemorrhage	1 [2.0]
Infiltration Cellular, Histiocyte	
Inflammation	2 [2.0]
Inflammation, Chronic	1 [3.0]
Nose	(10)
Trachea	(10)
SPECIAL SENSES SYSTEM	
Eye	(0)
Lacrimal Gland	(0)
URINARY SYSTEM	
Kidney	(10)
Corticomed Jct, Renal Tubule, Regeneration	10 [2.7]
Nephropathy	2 [1.0]
Urinary Bladder	(10)

**** END OF REPORT ****

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)