

Experiment Number: 93023-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Test Compound: 2,4-Hexadienal
CAS Number: 142-83-6

Date Report Requested: 10/16/2014
Time Report Requested: 00:54:00
First Dose M/F: NA / NA
Lab: SRI

C Number: C93023B
Lock Date: 07/30/1997
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/N Rat MALE	0	MG/KG/DY	7.5	MG/KG/DY	15	MG/KG/DY	30	MG/KG/DY	60	MG/KG/DY	120	MG/KG/DY
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	(7)		(0)		(0)		(0)		(0)		(10)	
Intestine Large, Cecum	(10)		(0)		(0)		(0)		(0)		(10)	
Intestine Large, Colon	(10)		(0)		(0)		(0)		(0)		(10)	
Intestine Large, Rectum	(10)		(0)		(0)		(0)		(0)		(10)	
Intestine Small, Duodenum	(10)		(0)		(0)		(0)		(0)		(10)	
Intestine Small, Ileum	(10)		(0)		(0)		(0)		(0)		(10)	
Intestine Small, Jejunum	(10)		(0)		(0)		(0)		(0)		(10)	
Liver	(10)		(0)		(0)		(0)		(0)		(10)	
Hepatodiaphragmatic Nodule	1 (10%)											
Infiltration Cellular, Mixed Cell											1 (10%)	
Pancreas	(10)		(0)		(0)		(0)		(0)		(10)	
Atrophy	1 (10%)											
Salivary Glands	(10)		(0)		(0)		(0)		(0)		(10)	
Stomach, Forestomach	(10)		(10)		(10)		(10)		(9)		(10)	
Edema											1 (10%)	
Epithelium, Degeneration											8 (80%)	
Epithelium, Hyperplasia											10 (100%)	
Foreign Body											4 (40%)	
Inflammation, Chronic Active											10 (100%)	
Ulcer											1 (10%)	
Stomach, Glandular	(10)		(0)		(0)		(0)		(0)		(10)	
CARDIOVASCULAR SYSTEM												

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

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Lab: SRI

F 344/N Rat MALE	0	MG/KG/DY	7.5	MG/KG/DY	15	MG/KG/DY	30	MG/KG/DY	60	MG/KG/DY	120	MG/KG/DY
Heart	(10)		(0)		(0)		(0)		(0)		(10)	
Cardiomyopathy	5 (50%)											
ENDOCRINE SYSTEM												
Adrenal Cortex	(10)		(0)		(0)		(0)		(0)		(10)	
Accessory Adrenal Cortical Nodule	1 (10%)										2 (20%)	
Hypertrophy	1 (10%)											
Adrenal Medulla	(10)		(0)		(0)		(0)		(0)		(10)	
Islets, Pancreatic	(10)		(0)		(0)		(0)		(0)		(10)	
Parathyroid Gland	(9)		(0)		(0)		(0)		(0)		(9)	
Pituitary Gland	(10)		(0)		(0)		(0)		(0)		(10)	
Thyroid Gland	(10)		(0)		(0)		(0)		(0)		(10)	
Ultimobranchial Cyst	1 (10%)											
GENERAL BODY SYSTEM												
None												
GENITAL SYSTEM												
Epididymis	(10)		(0)		(0)		(0)		(0)		(10)	
Preputial Gland	(9)		(0)		(0)		(0)		(0)		(10)	
Prostate	(10)		(0)		(0)		(0)		(0)		(10)	
Seminal Vesicle	(10)		(0)		(0)		(0)		(0)		(10)	
Testes	(10)		(0)		(0)		(0)		(0)		(10)	
HEMATOPOIETIC SYSTEM												
Bone Marrow	(10)		(0)		(0)		(0)		(0)		(10)	
Lymph Node, Mandibular	(10)		(0)		(0)		(0)		(0)		(10)	
Hemorrhage	3 (30%)										3 (30%)	
Lymph Node, Mesenteric	(10)		(0)		(0)		(0)		(0)		(10)	
Hemorrhage	1 (10%)											
Spleen	(10)		(0)		(0)		(0)		(0)		(10)	
Thymus	(10)		(0)		(0)		(0)		(0)		(10)	

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Species/Strain: Rat/F 344/N

Lab: SRI

F 344/N Rat MALE	0	MG/KG/DY	7.5	MG/KG/DY	15	MG/KG/DY	30	MG/KG/DY	60	MG/KG/DY	120	MG/KG/DY
INTEGUMENTARY SYSTEM												
Mammary Gland		(8)		(0)		(0)		(0)		(0)		(8)
Skin		(10)		(0)		(0)		(0)		(0)		(10)
MUSCULOSKELETAL SYSTEM												
Bone		(10)		(0)		(0)		(0)		(0)		(10)
NERVOUS SYSTEM												
Brain		(10)		(0)		(0)		(0)		(0)		(10)
RESPIRATORY SYSTEM												
Lung		(10)		(0)		(0)		(0)		(1)		(10)
Alveolar Epith, Hyperplasia										1 (100%)		
Foreign Body												1 (10%)
Hemorrhage												1 (10%)
Inflammation, Chronic										1 (100%)		
Nose		(10)		(10)		(10)		(10)		(10)		(10)
Exudate												5 (50%)
Olfactory Epi, Atrophy												8 (80%)
Olfactory Epi, Inflammation, Chronic												1 (10%)
Turbinate, Osteofibrosis												8 (80%)
Trachea		(10)		(0)		(0)		(0)		(0)		(10)
SPECIAL SENSES SYSTEM												
None												
URINARY SYSTEM												
Kidney		(10)		(0)		(0)		(0)		(1)		(10)
Hydronephrosis										1 (100%)		
Nephropathy		2 (20%)										
Urinary Bladder		(10)		(0)		(0)		(0)		(0)		(10)

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Species/Strain: Rat/F 344/N

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Lab: SRI

END OF MALE DATA

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F 344/N Rat FEMALE	0	MG/KG/DY	7.5	MG/KG/DY	15	MG/KG/DY	30	MG/KG/DY	60	MG/KG/DY	120	MG/KG/DY
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	(9)		(0)		(0)		(0)		(0)		(9)	
Intestine Large, Cecum	(10)		(0)		(0)		(0)		(0)		(10)	
Intestine Large, Colon	(10)		(0)		(0)		(0)		(0)		(10)	
Intestine Large, Rectum	(10)		(0)		(0)		(0)		(0)		(10)	
Intestine Small, Duodenum	(10)		(0)		(0)		(0)		(0)		(10)	
Intestine Small, Ileum	(10)		(0)		(0)		(0)		(0)		(10)	
Intestine Small, Jejunum	(10)		(0)		(0)		(0)		(0)		(10)	
Liver	(10)		(0)		(0)		(2)		(3)		(10)	
Hepatodiaphragmatic Nodule	2 (20%)						2 (100%)		3 (100%)		3 (30%)	
Infiltration Cellular, Mixed Cell	4 (40%)										4 (40%)	
Pancreas	(10)		(0)		(0)		(0)		(0)		(10)	
Salivary Glands	(10)		(0)		(0)		(0)		(0)		(10)	
Stomach, Forestomach	(10)		(10)		(10)		(10)		(10)		(10)	
Epithelium, Degeneration											4 (40%)	
Epithelium, Hyperplasia											10 (100%)	
Foreign Body											2 (20%)	
Inflammation, Chronic Active											5 (50%)	
Stomach, Glandular	(10)		(0)		(0)		(0)		(0)		(10)	
CARDIOVASCULAR SYSTEM												
Heart	(10)		(0)		(0)		(0)		(0)		(10)	
Cardiomyopathy	1 (10%)											

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F 344/N Rat FEMALE	0	MG/KG/DY	7.5	MG/KG/DY	15	MG/KG/DY	30	MG/KG/DY	60	MG/KG/DY	120	MG/KG/DY	
ENDOCRINE SYSTEM													
Adrenal Cortex		(10)		(0)		(0)		(0)		(0)		(10)	
Accessory Adrenal Cortical Nodule	1	(10%)									1	(10%)	
Adrenal Medulla		(10)		(0)		(0)		(0)		(0)		(10)	
Islets, Pancreatic		(10)		(0)		(0)		(0)		(0)		(10)	
Parathyroid Gland		(9)		(0)		(0)		(0)		(0)		(7)	
Pituitary Gland		(10)		(0)		(0)		(0)		(0)		(10)	
Pars Distalis, Cyst	1	(10%)											
Thyroid Gland		(10)		(0)		(0)		(0)		(0)		(10)	
Ultimobranchial Cyst	1	(10%)											
GENERAL BODY SYSTEM													
None													
GENITAL SYSTEM													
Clitoral Gland		(10)		(0)		(0)		(0)		(3)		(10)	
Ovary		(10)		(0)		(0)		(1)		(3)		(10)	
Cyst	2	(20%)					1	(100%)		3	(100%)	1	(10%)
Uterus		(10)		(0)		(0)		(2)		(2)		(10)	
Hydrometra	3	(30%)					2	(100%)		2	(100%)	2	(20%)
HEMATOPOIETIC SYSTEM													
Bone Marrow		(10)		(0)		(0)		(0)		(0)		(10)	
Infiltration Cellular, Histiocyte												2	(20%)
Lymph Node, Mandibular		(10)		(0)		(0)		(0)		(0)		(10)	
Hemorrhage	2	(20%)										1	(10%)
Lymph Node, Mesenteric		(10)		(0)		(0)		(0)		(0)		(10)	
Spleen		(10)		(0)		(0)		(0)		(0)		(10)	
Thymus		(10)		(0)		(0)		(0)		(0)		(10)	
INTEGUMENTARY SYSTEM													
Mammary Gland		(10)		(0)		(0)		(0)		(0)		(10)	

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F 344/N Rat FEMALE	0	MG/KG/DY	7.5	MG/KG/DY	15	MG/KG/DY	30	MG/KG/DY	60	MG/KG/DY	120	MG/KG/DY
Skin	(10)		(0)		(0)		(0)		(0)		(10)	
MUSCULOSKELETAL SYSTEM												
Bone	(10)		(0)		(0)		(0)		(0)		(10)	
NERVOUS SYSTEM												
Brain	(10)		(0)		(0)		(0)		(0)		(10)	
RESPIRATORY SYSTEM												
Lung	(10)		(0)		(0)		(0)		(0)		(10)	
Nose	(10)		(10)		(10)		(10)		(10)		(10)	
Inflammation, Chronic Active			1 (10%)									
Olfactory Epi, Necrosis									1 (10%)		2 (20%)	
Trachea	(10)		(0)		(0)		(0)		(0)		(10)	
SPECIAL SENSES SYSTEM												
None												
URINARY SYSTEM												
Kidney	(10)		(0)		(0)		(0)		(0)		(10)	
Inflammation, Chronic Active			1 (10%)									
Urinary Bladder	(10)		(0)		(0)		(0)		(0)		(10)	

** END OF REPORT **

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