

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

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**
Test Compound: 2,4-Hexadienal
CAS Number: 142-83-6

Date Report Requested: 10/16/2014
Time Report Requested: 00:53:31
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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First Dose M/F: NA / NA

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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 Infiltration Cellular, Mixed Cell	1										1 [2.0]	
Pancreas	(10)		(0)		(0)		(0)		(0)		(10)	
Atrophy	1 [2.0]											
Salivary Glands	(10)		(0)		(0)		(0)		(0)		(10)	
Stomach, Forestomach	(10)		(10)		(10)		(10)		(9)		(10)	
Edema											1 [2.0]	
Epithelium, Degeneration											8 [1.5]	
Epithelium, Hyperplasia											10 [2.9]	
Foreign Body											4 [1.8]	
Inflammation, Chronic Active											10 [2.9]	
Ulcer											1 [3.0]	
Stomach, Glandular	(10)		(0)		(0)		(0)		(0)		(10)	

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/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
CARDIOVASCULAR SYSTEM												
Heart	(10)		(0)		(0)		(0)		(0)		(10)	
Cardiomyopathy	5 [1.6]											
ENDOCRINE SYSTEM												
Adrenal Cortex	(10)		(0)		(0)		(0)		(0)		(10)	
Accessory Adrenal Cortical Nodule	1 [3.0]										2 [3.0]	
Hypertrophy	1 [1.0]											
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 [3.0]											
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 [1.3]										3 [1.7]	
Lymph Node, Mesenteric	(10)		(0)		(0)		(0)		(0)		(10)	
Hemorrhage	1 [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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First Dose M/F: NA / NA

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
Spleen	(10)		(0)		(0)		(0)		(0)		(10)	
Thymus	(10)		(0)		(0)		(0)		(0)		(10)	
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 [2.0]			
Foreign Body											1	
Hemorrhage											1 [1.0]	
Inflammation, Chronic									1 [1.0]			
Nose	(10)		(10)		(10)		(10)		(10)		(10)	
Exudate											5 [1.2]	
Olfactory Epi, Atrophy											8 [2.3]	
Olfactory Epi, Inflammation, Chronic											1 [2.0]	
Turbinate, Osteofibrosis											8 [2.3]	
Trachea	(10)		(0)		(0)		(0)		(0)		(10)	
SPECIAL SENSES SYSTEM												
None												
URINARY SYSTEM												
Kidney	(10)		(0)		(0)		(0)		(1)		(10)	
Hydronephrosis									1 [2.0]			
Nephropathy	2 [1.0]											

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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
Urinary Bladder	(10)		(0)		(0)		(0)		(0)		(0)	

END OF MALE DATA

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

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Lab: SRI

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						2		3		3	
Infiltration Cellular, Mixed Cell	4 [1.8]										4 [1.3]	
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 [1.8]	
Epithelium, Hyperplasia											10 [2.4]	
Foreign Body											2 [1.0]	
Inflammation, Chronic Active											5 [2.0]	
Stomach, Glandular	(10)		(0)		(0)		(0)		(0)		(10)	
CARDIOVASCULAR SYSTEM												
Heart	(10)		(0)		(0)		(0)		(0)		(10)	
Cardiomyopathy	1 [1.0]											

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

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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 [3.0]										1 [3.0]	
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 [3.0]											
Thyroid Gland	(10)		(0)		(0)		(0)		(0)		(10)	
Ultimobranchial Cyst	1 [3.0]											
GENERAL BODY SYSTEM												
None												
GENITAL SYSTEM												
Clitoral Gland	(10)		(0)		(0)		(0)		(3)		(10)	
Ovary	(10)		(0)		(0)		(1)		(3)		(10)	
Cyst	2 [3.0]						1 [3.0]		3 [3.0]		1 [3.0]	
Uterus	(10)		(0)		(0)		(2)		(2)		(10)	
Hydrometra	3 [2.7]						2 [3.0]		2 [3.0]		2 [3.0]	
HEMATOPOIETIC SYSTEM												
Bone Marrow	(10)		(0)		(0)		(0)		(0)		(10)	
Infiltration Cellular, Histiocyte											2 [2.0]	
Lymph Node, Mandibular	(10)		(0)		(0)		(0)		(0)		(10)	
Hemorrhage	2 [1.0]										1 [1.0]	
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												

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

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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
Mammary Gland	(10)		(0)		(0)		(0)		(0)		(10)	
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 [1.0]									
Olfactory Epi, Necrosis									1 [2.0]		2 [2.0]	
Trachea	(10)		(0)		(0)		(0)		(0)		(10)	
SPECIAL SENSES SYSTEM												
None												
URINARY SYSTEM												
Kidney	(10)		(0)		(0)		(0)		(0)		(10)	
Inflammation, Chronic Active	1 [2.0]											
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

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