

Experiment Number: 56111-01
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: Rat/F 344/N

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

Test Compound: trans-Cinnamaldehyde
CAS Number: 14371-10-9

Date Report Requested: 10/19/2014
Time Report Requested: 07:14:41
First Dose M/F: NA / NA
Lab: BAT

C Number:	C56111B
Lock Date:	01/02/1996
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	UNTREATD L	CONTRO L	VEHICLE CONTROL	1.25%	2.5%	5.0%	10.0%
Disposition Summary							
Animals Initially In Study	10	10	10	10	10	10	10
Early Deaths							
Survivors							
Terminal Sacrifice	10	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10	10
ALIMENTARY SYSTEM							
Esophagus	(10)	(10)	(10)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(10)	(10)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(10)	(10)	(0)	(0)	(0)	(10)
Parasite Metazoan			1 (10%)				
Intestine Large, Rectum	(10)	(10)	(10)	(0)	(0)	(0)	(10)
Parasite Metazoan	1 (10%)						1 (10%)
Intestine Small, Duodenum	(10)	(10)	(10)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(10)	(10)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(10)	(10)	(0)	(0)	(0)	(10)
Liver	(10)	(10)	(10)	(6)	(7)	(6)	(10)
Hepatodiaphragmatic Nodule	1 (10%)						
Inflammation, Chronic	7 (70%)		7 (70%)	6 (100%)	7 (100%)	6 (100%)	2 (20%)
Pancreas	(10)	(10)	(10)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(10)	(10)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)	(10)	(10)
Epithelium, Hyperplasia, Squamous					7 (70%)	10 (100%)	10 (100%)
Epithelium, Ulcer						1 (10%)	1 (10%)
Inflammation, Chronic Active						3 (30%)	7 (70%)
Stomach, Glandular	(10)	(10)	(10)	(0)	(0)	(1)	(10)
Mineralization							1 (10%)
CARDIOVASCULAR SYSTEM							

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

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Lab: BAT

F 344/N Rat MALE	UNTREATD L CONTRO	VEHICLE CONTROL	1.25%	2.5%	5.0%	10.0%
Blood Vessel	(10)	(10)	(0)	(0)	(0)	(10)
Heart	(10)	(10)	(0)	(0)	(0)	(10)
Cardiomyopathy, Chronic	8 (80%)	9 (90%)				3 (30%)
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(10)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(10)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(10)	(0)	(0)	(0)	(10)
Parathyroid Gland	(9)	(9)	(0)	(0)	(0)	(9)
Pituitary Gland	(10)	(10)	(0)	(0)	(0)	(10)
Pars Distalis, Cyst		2 (20%)				
Thyroid Gland	(10)	(10)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(10)	(0)	(0)	(0)	(10)
Atypia Cellular						1 (10%)
Preputial Gland	(10)	(9)	(0)	(0)	(0)	(10)
Prostate	(10)	(10)	(0)	(0)	(0)	(10)
Atrophy						1 (10%)
Inflammation, Chronic Active	1 (10%)	1 (10%)				1 (10%)
Seminal Vesicle	(10)	(10)	(0)	(0)	(0)	(10)
Atrophy						1 (10%)
Testes	(10)	(10)	(0)	(0)	(0)	(10)
Germinal Epith, Degeneration						1 (10%)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(10)	(0)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(10)	(0)	(0)	(0)	(10)
Lymph Node, Mesenteric	(10)	(10)	(0)	(0)	(0)	(10)

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F 344/N Rat MALE	UNTREATD L CONTRO	VEHICLE CONTROL	1.25%	2.5%	5.0%	10.0%
Spleen	(10)	(10)	(0)	(0)	(0)	(10)
Thymus	(10)	(9)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(8)	(9)	(0)	(0)	(0)	(7)
Skin	(10)	(10)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(10)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(10)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(10)	(0)	(0)	(0)	(10)
Alveolus, Infiltration Cellular, Histiocyte Inflammation, Chronic	2 (20%)	1 (10%)				1 (10%)
Nose	(10)	(10)	(0)	(0)	(0)	(10)
Foreign Body	1 (10%)					
Trachea	(10)	(10)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(10)	(0)	(0)	(0)	(10)
Renal Tubule, Regeneration	10 (100%)	9 (90%)				
Urinary Bladder	(10)	(10)	(0)	(0)	(0)	(10)

END OF MALE DATA

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Lab: BAT

F 344/N Rat FEMALE	UNTREATD L CONTRO	VEHICLE CONTROL	1.25%	2.5%	5.0%	10.0%
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)	(10)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(10)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(10)	(0)	(0)	(0)	(10)
Parasite Metazoan						1 (10%)
Intestine Large, Rectum	(10)	(10)	(0)	(0)	(0)	(10)
Parasite Metazoan	1 (10%)					1 (10%)
Intestine Small, Duodenum	(10)	(10)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(10)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(10)	(0)	(0)	(0)	(10)
Liver	(10)	(10)	(8)	(8)	(4)	(10)
Hepatodiaphragmatic Nodule	3 (30%)		1 (13%)			1 (10%)
Inflammation, Chronic	10 (100%)	7 (70%)	7 (88%)	8 (100%)	4 (100%)	4 (40%)
Oral Mucosa	(0)	(0)	(0)	(0)	(0)	(1)
Pancreas	(10)	(10)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(10)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)	(10)
Epithelium, Hyperplasia, Squamous				10 (100%)	10 (100%)	10 (100%)
Epithelium, Ulcer						3 (30%)
Inflammation, Chronic Active					8 (80%)	8 (80%)
Stomach, Glandular	(10)	(10)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						

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F 344/N Rat FEMALE	UNTREATD L CONTRO	VEHICLE CONTROL	1.25%	2.5%	5.0%	10.0%
Blood Vessel	(10)	(10)	(0)	(0)	(0)	(10)
Heart	(10)	(10)	(0)	(0)	(0)	(10)
Cardiomyopathy, Chronic	1 (10%)					
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(10)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(10)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(10)	(0)	(0)	(0)	(10)
Parathyroid Gland	(9)	(8)	(0)	(0)	(0)	(8)
Pituitary Gland	(10)	(10)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(10)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(10)	(10)	(0)	(0)	(0)	(10)
Inflammation, Chronic Active		2 (20%)				
Ovary	(10)	(10)	(3)	(1)	(0)	(10)
Cyst	3 (30%)	2 (20%)	3 (100%)	1 (100%)		
Uterus	(10)	(10)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(10)	(0)	(0)	(0)	(10)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(1)
Lymph Node, Mandibular	(10)	(9)	(0)	(0)	(0)	(10)
Lymph Node, Mesenteric	(10)	(10)	(0)	(0)	(0)	(10)
Spleen	(10)	(10)	(0)	(0)	(0)	(10)
Thymus	(10)	(10)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(10)	(0)	(0)	(0)	(10)

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F 344/N Rat FEMALE	UNTREATD L CONTRO	VEHICLE CONTROL	1.25%	2.5%	5.0%	10.0%
Skin	(10)	(10)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(10)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(10)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(10)	(0)	(0)	(0)	(10)
Alveolus, Infiltration Cellular, Histiocyte Inflammation, Chronic		2 (20%)				1 (10%) 2 (20%)
Nose	(10)	(10)	(0)	(0)	(0)	(10)
Trachea	(10)	(10)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(10)	(0)	(0)	(0)	(10)
Renal Tubule, Regeneration						1 (10%)
Urinary Bladder	(10)	(10)	(0)	(0)	(0)	(10)

** END OF REPORT **

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