

Study Number: C20302B-02
Test Type: TOX
Route: Whole-Body Inhalation
Species/Strain: Mouse/CD-1

PA10 Subchronic: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Final

Date Report Requested: 03/19/2024
Time Report Requested: 11:24:51
Lab: Battelle with EPL

Study Number:

C20302B-02

Study Sex:

Both

PWG Approval Date:

See web page for date of PWG Approval

Version:

v1.6.2

Stat Version:

2023.04.04S

Male : Fertility Males				
	Treatment Groups (ppm)			
	0	100	200	400
Disposition Summary				
Animals Initially In Study	25	25	25	25
Censored				
Early Deaths				
Survivors				
Scheduled Sacrifice, Terminal	25	25	25	25
Number Animals Examined Microscopically	25	25	25	25
ALIMENTARY SYSTEM				
None				
CARDIOVASCULAR SYSTEM				
None				
ENDOCRINE SYSTEM				
None				
GENERAL BODY SYSTEM				
None				
HEMATOPOIETIC SYSTEM				
None				
HEPATOBIILIARY SYSTEM				
None				
IMMUNE SYSTEM				
None				
INTEGUMENTARY SYSTEM				
None				

Male : Fertility Males				
Treatment Groups (ppm)				
	0	100	200	400
MUSCULOSKELETAL SYSTEM				
None				
NERVOUS SYSTEM				
None				
REPRODUCTIVE SYSTEM				
EPIDIDYMIS	(25)	(25)	(25)	(25)
DUCT; BILATERAL; EXFOLIATED GERM CELL	1 (4%)	1 (4%)	2 (8%)	
INFILTRATION CELLULAR; MONONUCLEAR CELL		2 (8%)	1 (4%)	
INFLAMMATION; CHRONIC-ACTIVE				1 (4%)
EPITHELIUM; VACUOLATION	0	6 (24%) *		3 (12%)
EPITHELIUM; VACUOLATION (INCLUDES BILATERAL)	9 (36%)	7 (28%)	3 (12%)	11 (44%)
EPITHELIUM; VACUOLATION, BILATERAL	9 (36%)	1 (4%)	3 (12%)	8 (32%)
TESTIS	(25)	(25)	(25)	(25)
ATYPICAL RESIDUAL BODIES	4 (16%)	6 (24%)	2 (8%)	4 (16%)
GERMINAL EPITHELIUM; DEGENERATION	4 (16%)	5 (20%)	2 (8%)	4 (16%)
RETE TESTIS; DILATION	1 (4%)			
SEMINIFEROUS TUBULE; DILATION	1 (4%)			
SEMINIFEROUS TUBULE; SPERMATID RETENTION				1 (4%)
RESPIRATORY SYSTEM				
None				
SPECIAL SENSES SYSTEM				
None				

Male : Fertility Males				
	Treatment Groups (ppm)			
	0	100	200	400
URINARY SYSTEM				
URINARY BLADDER	(10)	(10)	(10)	(10)
INFILTRATION CELLULAR; LYMPHOCYTE	3 (30%)	2 (20%)	3 (30%)	4 (40%)
INFILTRATION CELLULAR; MAST CELL				1 (10%)
INFILTRATION CELLULAR; MIXED CELL			1 (10%)	2 (20%)
VACUOLATION; CYTOPLASMIC				1 (10%)

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LEGEND

In the rows with the tissue names, the number of animals examined for each tissue is shown in parentheses.

In the rows with the lesion names, the number of animals with observation are reported with percent incidence in parentheses. If none of the animals examined have the specific lesion, there is a blank for that dose group for that specific lesion. The exception to this is if statistical significance is found for a lesion and the control group has no animals with the lesion; in that case a 0 is included for the control group on the table for that lesion.

Statistical analysis performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) one-sided tests.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

**** END OF REPORT ****