

Study Number: C08004-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA08R: Statistical Analysis of Neoplastic Lesions with Litter Incidence

Test Compound: Vanadyl sulfate

CAS Number: 27774-13-6

Date Report Requested: 02/14/2022

Time Report Requested: 08:15:08

Lab: Battelle with EPL

Study Number:

C08004-03

Study Gender:

Both

PWG Approval Date:

See web page for date of PWG Approval

Version:

v1.3.7

Stat Version:

S

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Species/Strain: Rat/Harlan Sprague Dawley

F1 Male : F1 Core Animals

	Treatment Groups (mg/L)					
	0	21.0	41.9	83.8	168	335
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Censored						
Early Deaths						
Survivors						
Scheduled Sacrifice, Terminal	10	10	10	10	10	10
Number Animals Examined Microscopically	10			3	10	10
Total number litters	10			3	10	10
ALIMENTARY SYSTEM						
INTESTINE, LARGE, CECUM	(10)	(0)	(0)	(0)	(10)	(10)
INTESTINE, LARGE, RECTUM	(10)	(0)	(0)	(3)	(0)	(10)
INTESTINE, SMALL, ILEUM	(10)	(0)	(0)	(0)	(10)	(10)
INTESTINE, SMALL, JEJUNUM	(10)	(0)	(0)	(0)	(0)	(10)
INTESTINE, SMALL: ANY SITE	(10)	(0)	(0)	(0)	(10)	(10)
INTESTINE: ANY SITE	(10)	(0)	(0)	(3)	(10)	(10)
LIVER	(10)	(0)	(0)	(0)	(1)	(10)
STOMACH, GLANDULAR	(10)	(0)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
HEART	(10)	(0)	(0)	(0)	(0)	(10)
ENDOCRINE SYSTEM						
ADRENAL GLAND	(10)	(0)	(0)	(0)	(0)	(10)
THYROID GLAND	(10)	(0)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						

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F1 Male : F1 Core Animals

	Treatment Groups (mg/L)					
	0	21.0	41.9	83.8	168	335
GENITAL SYSTEM						
PREPUTIAL GLAND	(10)	(0)	(0)	(0)	(0)	(10)
SEMINAL VESICLE	(10)	(0)	(0)	(0)	(0)	(10)
HEMATOLYMPHOID SYSTEM						
LYMPH NODE, MANDIBULAR	(10)	(0)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
None						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
LUNG	(10)	(0)	(0)	(0)	(0)	(9)
SPECIAL SENSES SYSTEM						
HARDERIAN GLAND	(10)	(0)	(0)	(0)	(0)	(10)
URINARY SYSTEM						
KIDNEY	(10)	(0)	(0)	(0)	(0)	(10)

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Lab: Battelle with EPL

Species/Strain: Rat/Harlan Sprague Dawley

F1 Female : F1 Core Animals

	Treatment Groups (mg/L)					
	0	21.0	41.9	83.8	168	335
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Censored						
Early Deaths						
Survivors						
Scheduled Sacrifice, Terminal	10	10	10	10	10	10
Number Animals Examined Microscopically	10		10	10	10	10
Total number litters	10		10	10	10	10
ALIMENTARY SYSTEM						
INTESTINE, LARGE, CECUM	(10)	(0)	(0)	(0)	(10)	(10)
INTESTINE, LARGE, RECTUM	(10)	(0)	(0)	(0)	(1)	(10)
INTESTINE, SMALL, ILEUM	(10)	(0)	(10)	(10)	(10)	(10)
INTESTINE, SMALL: ANY SITE	(10)	(0)	(10)	(10)	(10)	(10)
INTESTINE: ANY SITE	(10)	(0)	(10)	(10)	(10)	(10)
STOMACH, GLANDULAR	(10)	(0)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
THYROID GLAND	(9)	(0)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
CLITORAL GLAND	(10)	(0)	(0)	(0)	(0)	(9)

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Treatment Groups (mg/L)

0 21.0 41.9 83.8 168 335

HEMATOLYMPHOID SYSTEM

None

INTEGUMENTARY SYSTEM

None

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

LUNG (10) (0) (0) (0) (0) (10)

SPECIAL SENSES SYSTEM

HARDERIAN GLAND (10) (0) (0) (0) (0) (10)

URINARY SYSTEM

KIDNEY (10) (0) (0) (0) (0) (10)

LEFT; RENAL TUBULE; NEPHROBLASTOMA 1 (10%) [1]

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LEGEND

Number of animals examined for each tissue shown in parentheses. If none of the animals examined have the specific lesion then 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 then a 0 is included for the control group on the table for that lesion.

Number of animals with observation reported with percent incidence in parentheses

Number of litters with observations shown in square brackets for F1 animals. F1 litter incidence based on the number of F0 dams.

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 ****