

**Study Number:** C08004-04  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged**

**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 01/10/2022  
**Time Report Requested:** 10:55:01  
**Lab:** Battelle

**Study Number:** C08004-04  
**Study Gender:** Both  
**PWG Approval Date:** See web page for date of PWG Approval  
**Version:** v1.3.5

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Test Type: TOX

Test Compound: Vanadyl sulfate

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Route: Dosing in Water

CAS Number: 27774-13-6

Lab: Battelle

Species/Strain: Mouse/B6C3F1/N

Male: Core Males

	Treatment Groups (mg/L)					
	0	21.0	41.9	83.8	168	335
<b>Disposition Summary</b>						
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		9	9	10	10
<b>ALIMENTARY SYSTEM</b>						
ESOPHAGUS	(10)	(0)	(0)	(0)	(0)	(10)
GALLBLADDER	(10)	(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)	(9)	(9)	(9)	(10)
INTESTINE, SMALL, JEJUNUM	(10)	(0)	(0)	(0)	(10)	(10)
LIVER	(10)	(0)	(0)	(0)	(0)	(10)
PANCREAS	(10)	(0)	(0)	(0)	(0)	(10)
SALIVARY GLANDS	(10)	(0)	(0)	(0)	(0)	(10)
STOMACH, FORESTOMACH	(10)	(0)	(0)	(0)	(0)	(10)
STOMACH, GLANDULAR	(10)	(0)	(0)	(0)	(0)	(10)
<b>CARDIOVASCULAR SYSTEM</b>						
AORTA	(10)	(0)	(0)	(0)	(0)	(9)
HEART	(10)	(0)	(0)	(0)	(0)	(10)

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CAS Number: 27774-13-6

Lab: Battelle

Species/Strain: Mouse/B6C3F1/N

Male: Core Males

	Treatment Groups (mg/L)					
	0	21.0	41.9	83.8	168	335
ENDOCRINE SYSTEM						
ADRENAL GLAND	(10)	(0)	(0)	(0)	(0)	(10)
ISLETS, PANCREATIC	(10)	(0)	(0)	(0)	(0)	(10)
PARATHYROID GLAND	(9)	(0)	(0)	(0)	(0)	(8)
PITUITARY GLAND	(10)	(0)	(0)	(0)	(0)	(10)
THYROID GLAND	(10)	(0)	(0)	(0)	(0)	(9)
GENERAL BODY SYSTEM						
No Tissues/Organs Examined						
GENITAL SYSTEM						
EPIDIDYMIS	(10)	(0)	(0)	(0)	(0)	(10)
PREPUTIAL GLAND	(10)	(0)	(0)	(0)	(0)	(10)
PROSTATE	(10)	(0)	(0)	(0)	(0)	(10)
SEMINAL VESICLE	(10)	(0)	(0)	(0)	(0)	(10)
TESTIS	(10)	(0)	(0)	(0)	(0)	(10)
HEMATOLYMPHOID SYSTEM						
BONE MARROW	(10)	(0)	(0)	(0)	(0)	(10)
LYMPH NODE, MANDIBULAR	(10)	(0)	(0)	(0)	(0)	(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						
SKIN	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
BONE, FEMUR	(10)	(0)	(0)	(0)	(0)	(10)
MUSCLE, THIGH	(10)	(0)	(0)	(0)	(0)	(10)

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CAS Number: 27774-13-6

Lab: Battelle

Species/Strain: Mouse/B6C3F1/N

Male: Core Males

	Treatment Groups (mg/L)					
	0	21.0	41.9	83.8	168	335
NERVOUS SYSTEM						
BRAIN	(10)	(0)	(0)	(0)	(0)	(10)
NERVE, SCIATIC	(10)	(0)	(0)	(0)	(0)	(10)
NERVE, TRIGEMINAL	(10)	(0)	(0)	(0)	(0)	(10)
SPINAL CORD	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
LUNG	(10)	(0)	(0)	(0)	(0)	(10)
NOSE	(10)	(0)	(0)	(0)	(0)	(10)
TRACHEA	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
EYE	(10)	(0)	(0)	(0)	(0)	(10)
HARDERIAN GLAND	(10)	(0)	(0)	(0)	(0)	(10)
URINARY SYSTEM						
KIDNEY	(10)	(0)	(0)	(0)	(0)	(10)
URINARY BLADDER	(10)	(0)	(0)	(0)	(0)	(10)
No Systemic Lesions						

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Test Type: TOX

Test Compound: Vanadyl sulfate

Time Report Requested: 10:55:01

Route: Dosing in Water

CAS Number: 27774-13-6

Lab: Battelle

Species/Strain: Mouse/B6C3F1/N

Tumor Summary Data for Male Core Males	Treatment Groups (mg/L)					
	0	21.0	41.9	83.8	168	335
Total Animals with Primary Neoplasms	0	0	0	0	0	0
Total Primary Neoplasms	0	0	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0	0	0
Total Benign Neoplasms	0	0	0	0	0	0
Total Animals with Malignant Neoplasms	0	0	0	0	0	0
Total Malignant Neoplasms	0	0	0	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0	0	0

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Route: Dosing in Water

CAS Number: 27774-13-6

Lab: Battelle

Species/Strain: Mouse/B6C3F1/N

Female: Core Females

	Treatment Groups (mg/L)					
	0	21.0	41.9	83.8	168	335
<b>Disposition Summary</b>						
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
<b>ALIMENTARY SYSTEM</b>						
ESOPHAGUS	(10)	(0)	(0)	(0)	(0)	(10)
GALLBLADDER	(10)	(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)	(10)	(9)	(10)	(10)
INTESTINE, SMALL, JEJUNUM	(10)	(0)	(10)	(10)	(10)	(10)
LIVER	(10)	(0)	(0)	(0)	(0)	(10)
PANCREAS	(10)	(0)	(0)	(0)	(0)	(10)
SALIVARY GLANDS	(10)	(0)	(0)	(0)	(0)	(10)
STOMACH, FORESTOMACH	(10)	(0)	(0)	(0)	(0)	(10)
STOMACH, GLANDULAR	(10)	(0)	(0)	(0)	(0)	(10)
<b>CARDIOVASCULAR SYSTEM</b>						
AORTA	(10)	(0)	(0)	(0)	(0)	(10)
HEART	(10)	(0)	(0)	(0)	(0)	(10)

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CAS Number: 27774-13-6

Lab: Battelle

Species/Strain: Mouse/B6C3F1/N

Female: Core Females

	Treatment Groups (mg/L)					
	0	21.0	41.9	83.8	168	335
ENDOCRINE SYSTEM						
ADRENAL GLAND	(10)	(0)	(0)	(0)	(0)	(10)
ISLETS, PANCREATIC	(10)	(0)	(0)	(0)	(0)	(10)
PARATHYROID GLAND	(7)	(0)	(0)	(0)	(0)	(6)
PITUITARY GLAND	(9)	(0)	(0)	(0)	(0)	(10)
THYROID GLAND	(10)	(0)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
No Tissues/Organs Examined						
GENITAL SYSTEM						
CERVIX	(10)	(0)	(0)	(0)	(0)	(10)
CLITORAL GLAND	(10)	(0)	(0)	(0)	(0)	(10)
OVARY	(10)	(0)	(0)	(0)	(0)	(10)
UTERUS	(10)	(0)	(0)	(0)	(0)	(10)
VAGINA	(10)	(0)	(0)	(0)	(0)	(10)
HEMATOLYMPHOID SYSTEM						
BONE MARROW	(10)	(0)	(0)	(0)	(0)	(10)
LYMPH NODE, MANDIBULAR	(10)	(0)	(0)	(0)	(0)	(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)
SKIN	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
BONE, FEMUR	(10)	(0)	(0)	(0)	(0)	(10)
MUSCLE, THIGH	(10)	(0)	(0)	(0)	(0)	(10)

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**Female: Core Females**

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	Treatment Groups (mg/L)					
	0	21.0	41.9	83.8	168	335
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NERVOUS SYSTEM						
BRAIN	(10)	(0)	(0)	(0)	(0)	(10)
NERVE, SCIATIC	(10)	(0)	(0)	(0)	(0)	(10)
NERVE, TRIGEMINAL	(10)	(0)	(0)	(0)	(0)	(10)
SPINAL CORD	(10)	(0)	(0)	(0)	(0)	(10)
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RESPIRATORY SYSTEM						
LUNG	(10)	(0)	(0)	(0)	(0)	(10)
NOSE	(10)	(0)	(0)	(0)	(0)	(10)
TRACHEA	(10)	(0)	(0)	(0)	(0)	(10)
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SPECIAL SENSES SYSTEM						
EYE	(10)	(0)	(0)	(0)	(0)	(10)
HARDERIAN GLAND	(10)	(0)	(0)	(0)	(0)	(10)
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URINARY SYSTEM						
KIDNEY	(10)	(0)	(0)	(0)	(0)	(10)
URINARY BLADDER	(10)	(0)	(0)	(0)	(0)	(10)
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No Systemic Lesions						

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Lab: Battelle

Species/Strain: Mouse/B6C3F1/N

Tumor Summary Data for Female Core Females	Treatment Groups (mg/L)					
	0	21.0	41.9	83.8	168	335
Total Animals with Primary Neoplasms	0	0	0	0	0	0
Total Primary Neoplasms	0	0	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0	0	0
Total Benign Neoplasms	0	0	0	0	0	0
Total Animals with Malignant Neoplasms	0	0	0	0	0	0
Total Malignant Neoplasms	0	0	0	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0	0	0

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## LEGEND

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Censored animals are animals not in one of the other disposition categories that are removed prior to the end of the study. The censored animals are included in the pathology data.

Number of animals examined given for each tissue. If none of the animals examined have the specific lesion then there is a blank for that dose group for that specific lesion.

Number of animals with observation reported with percent incidence in parentheses

Systemic lesions are included once in the total lesion count regardless of how many times they occurred in a single animal

**\*\* END OF REPORT \*\***