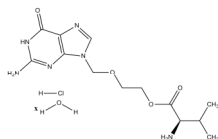


**PRODUCT: Valacyclovir Hydrochloride Hydrate****ALTERNATE NAME:** L-Valine 2-(2-Amino-1,6-dihydro-6-oxo-9H-purin-9-ylmethoxy)ethyl Ester Hydrochloride hydrate; valaciclovir**CATALOG #:** 2201-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:**  $C_{13}H_{20}N_6O_4 \cdot HCl \cdot xH_2O$ **MOLECULAR WEIGHT:** 360.80 (anhydrous basis)**CAS NUMBER:** 124832-27-5**APPEARANCE:** White solid**SOLUBILITY:** H<sub>2</sub>O (>20 mg/ml)**PURITY:** ≥97% by HPLC**STORAGE:** Store at -20 °C. Protect from air and moisture**DESCRIPTION:** Valacyclovir is a prodrug of Acyclovir (Cat.No. 2200-50, 250) with inhibitory activity against herpes simplex virus types 1 (HSV-1), 2 (HSV-2), varicella-zoster virus (VZV), Epstein-Barr virus (EBV), and cytomegalovirus (CMV). Valacyclovir is phosphorylated by viral thymidine kinase to acyclovir triphosphate (the active metabolite) which then inhibits herpes viral DNA replication by competitive inhibition of viral DNA polymerase, and by incorporation into and termination of the growing viral DNA chain.**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans****RELATED PRODUCTS:**

Acyclovir (Cat. No. 2200-50, 250)

5-Azacytidine (Cat. No. 1854-50, 250)

Ribavirin (Cat. No. 2199-10, 50)

**HANDLING:**

Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.