



# LKT Laboratories, Inc.

## Valacyclovir Hydrochloride

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### Product Information

**Product ID** V0045

**CAS No.** 124832-27-5

**Chemical Name** L-Valine 2-[(2-amino-1,6-dihydro-6-oxo-9H-purin-9-yl)methoxy]ethyl ester hydrochloride

**Synonym** Valacyclovir hydrochloride, BW-256U87

**Formula** C<sub>13</sub>H<sub>20</sub>N<sub>6</sub>O<sub>4</sub> · HCl

**Formula Wt.** 360.80

**Melting Point** 159-162 °C

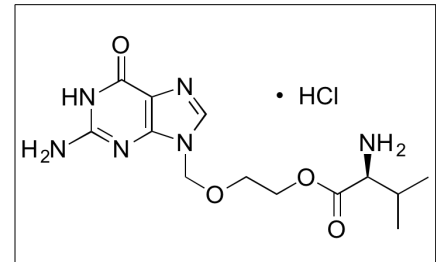
**Purity** ≥98%

**Solubility** Soluble in water (170 mg/mL), DMSO (14 mg/mL). Slightly soluble in ethanol (<1 mg/mL), methanol.

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Valacyclovir is an antiviral compound that is clinically used to treat infection of the Varicella-zoster virus. This compound is a prodrug for acyclovir. Valacyclovir also inhibits neuraminidase and displays efficacy against other viruses such as herpes simplex virus and HIV-1.



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
V0045	50 mg	\$60.00
V0045	100 mg	\$112.40
V0045	500 mg	\$412.00

**References** Gupta D, Varghese Gupta S, Dahan A, et al. Increasing oral absorption of polar neuraminidase inhibitors: a prodrug transporter approach applied to oseltamivir analogue. *Mol Pharm.* 2013 Feb 4;10(2):512-22. PMID: 23244438.

Roxby AC, Liu AY, Drake AL, et al. Short communication: T cell activation in HIV-1/herpes simplex virus-2-coinfected Kenyan women receiving valacyclovir. *AIDS Res Hum Retroviruses.* 2013 Jan;29(1):94-8. PMID: 22852760.

Andrei G, Snoeck R. Emerging drugs for varicella-zoster virus infections. *Expert Opin Emerg Drugs.* 2011 Sep;16(3):507-35. PMID: 21699441.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.