LKT Laboratories, Inc.

Valacyclovir Hydrochloride

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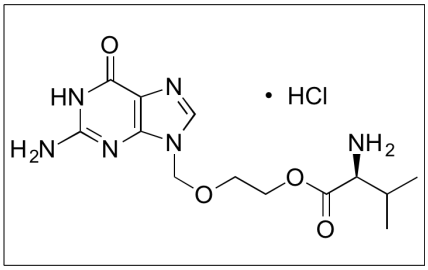
Product Information

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 $C_{13}H_{20}N_6O_4 \cdot HCl$
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.

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
V0045	50 mg	$81.70
V0045	100 mg	$153.10
V0045	500 mg	$561.40

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.

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.