



LKT Laboratories, Inc.

Vancomycin Hydrochloride

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID V0252

CAS No. 1404-93-9

Chemical Name (S(suba))- (3S,6R,7R,22R,23S,26S,36R,38aR)-44-((2-O-(3-Amino-2,3,6-trideoxy-3-C-methyl-alpha-L-lyxo-hexopyranosyl)-beta-D-glucopyranosyl)oxy)-3-(carbamoylmethyl)-10,19-dichloro

Synonym Vancomycine, Vancocin, Lyphocin, Vancor

Formula $C_{66}H_{75}Cl_2N_9O_{24} \cdot HCl$

Formula Wt. 1485.73

Melting Point Decomposes when heated.

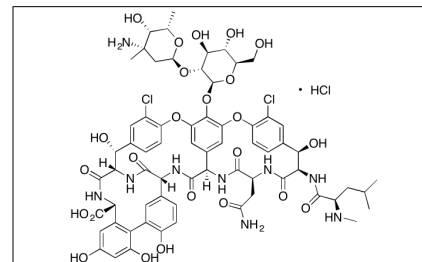
Purity ≥ 1050 IU/mg, bio assay

Solubility Soluble in water.
Moderately soluble in methanol. Insoluble in acetone and ether.

Store Temp Ambient

Ship Temp Ambient

Description Vancomycin is a glycopeptide antibiotic originally produced by *Acolatopsis orientalis*. Vancomycin exhibits antibacterial activity against gram positive bacteria such as *Clostridium* and *Staphylococcus* by binding D-Ala-D-Ala and inhibiting cell wall synthesis. TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
V0252	100 mg	\$44.80
V0252	250 mg	\$72.00
V0252	1 g	\$202.20

References Allen CA, Babakhani F, Sears P, et al. Both fidaxomicin and vancomycin inhibit outgrowth of *Clostridium difficile* spores. *Antimicrob Agents Chemother*. 2013 Jan;57(1):664-7. PMID: 23147724.

Chakraborty SP, Sahu SK, Pramanik P, et al. In vitro antimicrobial activity of nanoconjugated vancomycin against drug resistant *Staphylococcus aureus*. *Int J Pharm*. 2012 Oct 15;436(1-2):659-76. PMID: 22841851.

Nailor MD, Sobel JD. Antibiotics for gram-positive bacterial infection: vancomycin, teicoplanin, quinupristin/dalfopristin, oxazolidinones, daptomycin, telavancin, and ceftaroline. *Med Clin North Am*. 2011 Jul;95(4):723-42, vii. PMID: 21679789.

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