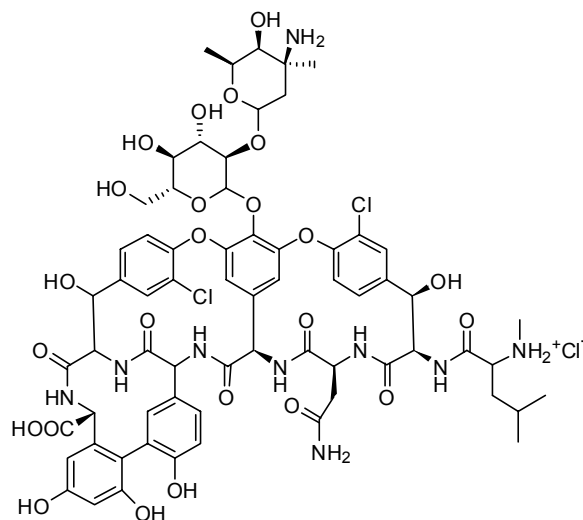


Vancomycin hydrochloride

Code: **BIA-V1190**

Pack sizes: **25 mg, 100 mg**



Synonyms : **Balcoran, Diatracin, Fibrantin, Hanomycin, Ledervan, Lyphocin, Vancoled, Vancocin, Vancocine**

Specifications

CAS # : **1404-93-9**
Molecular Formula : **C₆₆H₇₆Cl₃N₉O₂₄**
Molecular Weight : **1485.7**
Source : ***Amycolatopsis orientalis* MST-AS4296**
Appearance : **White solid**
Purity : **>99% by HPLC**
Long Term Storage : **-20°C**
Solubility : **Soluble in water.**

Application Notes

Vancomycin is glycopeptide antibiotic isolated from *Amycolatopsis orientalis* in 1956. Vancomycin exhibits potent activity against Gram positive bacteria and highly effective for methicillin-resistant *Staphylococcus aureus* in both *in vitro* and *in vivo* studies. Vancomycin interferes with cell wall synthesis by binding to D-alanine-D-alanine residues.

References

1. *Streptomyces orientalis*, n. sp. the source of vancomycin. Pittenger R. C. and Brigham R. B. Antibiot. & Chemther. **1956**, 6, 642.
2. Structure of vancomycin and its complex with acetyl-D-alanyl-D-alanine. Sheldrick G. M. et al., Nature **1978**, 271, 223.