Vancomycin hydrochloride

**Specifications**

- **CAS #**: 1404-93-9
- **Molecular Formula**: C_{66}H_{75}Cl_{2}N_{9}O_{24}
- **Molecular Weight**: 665.7
- **Source**: *Amycolatopsis orientalis*
- **Appearance**: White solid
- **Purity**: >99% by HPLC
- **Long Term Storage**: -20°C
- **Solubility**: Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.

**Application Notes**

Vancomycin hydrochloride is the salt of a glycopeptide antibiotic isolated from *Amycolatopsis orientalis* in 1956. Vancomycin exhibits potent activity against Gram positive bacteria and is highly effective against MRSA in vitro and in vivo. Vancomycin interferes with cell wall synthesis by binding to D-alanine-D-alanine residues.

**References**