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## Product Information

### Vancomycin hydrochloride from *Streptomyces orientalis*

Product Number **V 1130**  
Storage Temperature -0 °C

#### Product Description

Molecular Formula:  $C_{66}H_{75}Cl_2N_9O_{24} \cdot HCl$   
Molecular Weight: 1485  
CAS Number: 1404-93-9  
Extinction Coefficient:  $E^{1\%} = 40$  (280 nm, in water)<sup>1</sup>

Vancomycin is an amphoteric glycopeptide antibiotic produced by *Streptomyces orientalis*. It inhibits bacterial cell wall synthesis by binding to peptidoglycan. This antibiotic prevents the growth of Gram-positive bacteria.<sup>2</sup>

#### Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

#### Preparation Instructions

This product is soluble in water (0.5 mg/ml), yielding a clear solution.

#### Storage/Stability

Solutions are most stable at pH 3-5 and should be stored at 2-8 °C.<sup>3</sup> Solutions of vancomycin should be sterilized by sterile filtration, rather than by autoclaving.

#### References

1. The Merck Index, 11th Ed., Entry# 9836.
2. Martindale The Extra Pharmacopoeia, 30th ed., Reynolds, J. E. F., ed., The Pharmaceutical Press (London, England: 1993), p. 221.

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