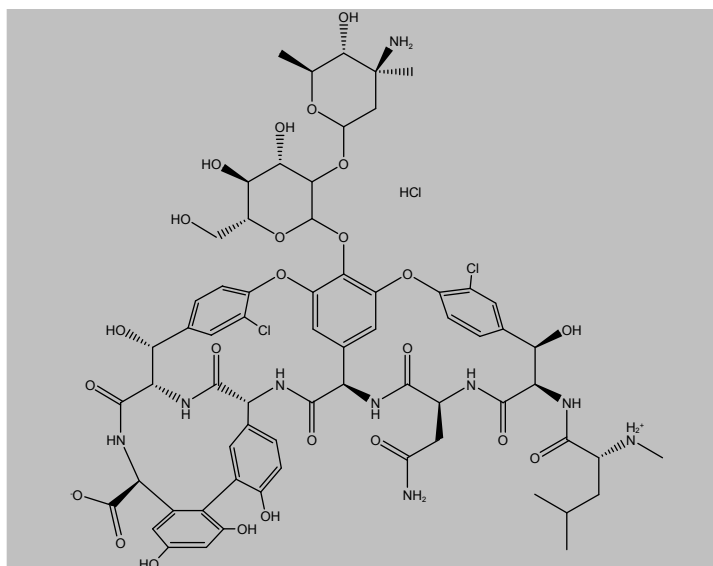


Certificate Of Analysis
Quality Control Testing and Research ApplicationCOA Preparation Date: 24/09/2013
COA Revision Date: 24/09/2016

Product: Vancomycin hydrochloride
Cat. No.: BG0352
Batch No.: 0352BG/02
Chemical Name: Vancomycin hydrochloride from *Streptomyces orientalis*

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₆₆H₇₅Cl₂N₉O₂₄ .HCl
Batch Molecular Weight: 1485.71
CAS No.: [1404-93-9]
Physical Appearance: White or almost white powder
Melting Point:
Solubility: Soluble in water, slightly soluble in alcohol
Storage: Desiccate at RT
Batch Molecular Structure:



Product Description: A glycopeptide antibiotic used in the prophylaxis and treatment of infections caused by gram-positive bacteria. Specifically, Vancomycin prevents incorporation of *N*-Acetylmuramic acid (NAM)- and *N*-Acetylglucosamine (NAG)-peptide subunits into the peptidoglycan matrix which forms the major structural component of gram-positive cell walls.

References: 1. Sheldrick et al. (1978) Nature 271:223; 2. Boger (2001) Med Res Rev 21:356

- CAUTION - Not fully tested. For Research use only. Not for human use. -



BIOTREND Chemicals AG
Unterdorfstr. 21
CH-8602 Wangen / Zurich
Switzerland
Tel + 41 44 805 76 76
Fax +41 44 805 76 77
Email: techserv@biotrend.ch
www.biotrend.ch

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BG0352 Vancomycin hydrochloride

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: pH: 3.1 (complies); Water: 0.9% (complies); Vancomycin B: > 95% (complies);
Bacterial endotoxins: < 0.33 EU/mg (complies); Heavy Metals: < 30 ppm
(complies); Potency: 1084 IU/mg (complies).

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