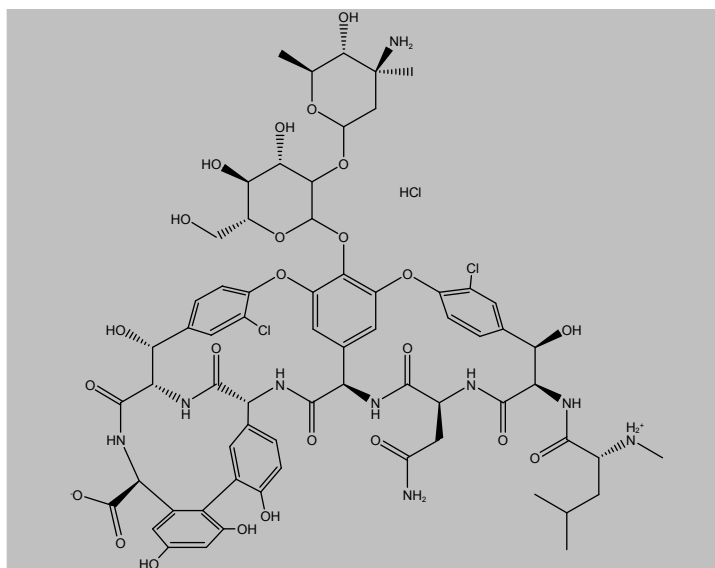


Certificate Of Analysis
Quality Control Testing and Research ApplicationCOA Preparation Date: 24/09/2013
COA Revision Date: 24/09/2016

Product: Vancomycin hydrochloride
Cat. No.: BG0352
Batch No.: 0352BG/01
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. -

Certificate Of Analysis

Quality Control Testing and Research Application

COA Preparation Date: 24/09/2013
COA Revision Date: 24/09/2016

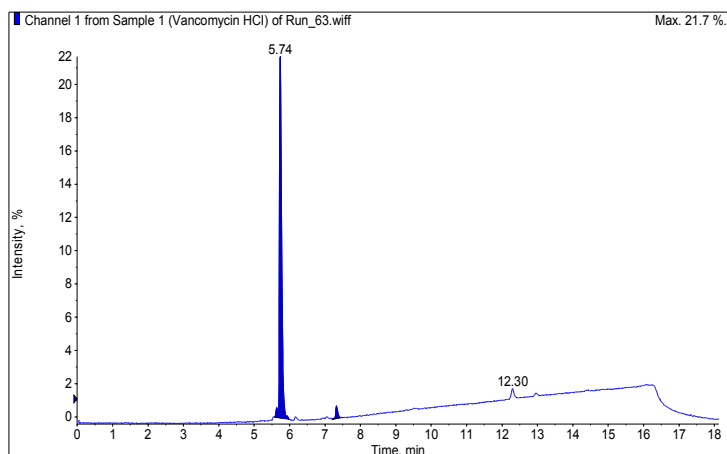
BG0352 Vancomycin hydrochloride

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: pH: 2.9 (complies); Water: 2.4% (complies); Vancomycin B: 96.1% (complies);
Sulphated ash: 0.5% (complies); Heavy Metals: < 30 ppm (complies);
Potency: 1112 IU/mg (complies).



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