

Column: Cogent Diamond Hydride™, 4µm, 100Å

Catalog No.: 70000-7.5P

Dimensions: 4.6 x 75mm

Mobile Phase:

A: DI Water / 0.1% Formic Acid

B: Acetonitrile / 0.1% Formic Acid

Gradient:

Time (minutes)	%B
0	70
6	10
7	70

Post Time: 2 minutes

Injection vol.: 5µL

Flow rate: 1.0mL / minute

Detection: UV @ 210nm

Sample Preparation: Stock Solution: 1mg / mL Vancomycin HCl in 50:50 Solvent A / Solvent B diluent. The solution was filtered through a 0.45µm Nylon Syringe Filter (MicroSolv Tech Corp).

Working Solution: Stock solution was diluted 1:100 with 50:50 Solvent A / Solvent B mixture.

t₀: 0.9 minutes

Note: Vancomycin is a glycosylated nonribosomal peptide antibiotic used to treat Colitis. Vancomycin is often used as a drug of last resort when other antibiotics are rendered ineffective due to developed resistance of bacteria. It is a natural product isolated from *Amycolatopsis Orientalis*.



Attachment

No 159 Vancomycin Analyzed with HPLC pdf 0.6 Mb [Download File](#)