

## Method Conditions

**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.

**t<sub>0</sub>:** 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](#)

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