

Product Data Sheet

Product Name: Vancomycin-d₁₀ acetate

Cat. No.: GC81861

Chemical Properties

Cas. No.

Formula C₆₈H₆₉D₁₀Cl₂N₉O₂₆

M.Wt 1519.37

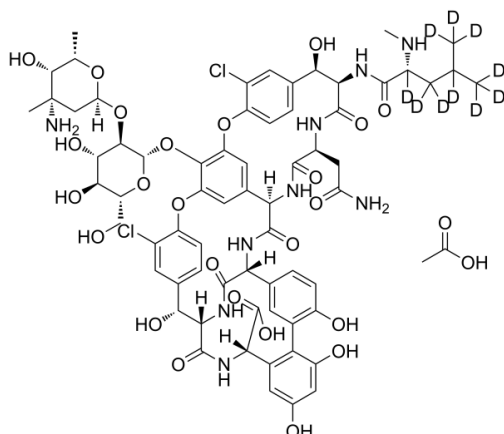
Solubility

Storage Store at -20°C, sealed storage, away from moisture and light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Vancomycin-d 10 acetate is the deuterated-labeled Vancomycin acetate. Vancomycin is an antibiotic for the treatment of bacterial infections. Vancomycin acts by inhibiting the second stage of cell wall synthesis of susceptible bacteria. Vancomycin also alters the permeability of the cell membrane and selectively inhibits ribonucleic acid synthesis.

In Vitro, Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration

Caution: Product has not been fully validated for medical applications. For research use only.

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has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs.

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