Vancomycin (hydrochloride) is supplied as a crystalline solid. Aqueous solutions of vancomycin (hydrochloride) can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of vancomycin (hydrochloride) in PBS, pH 7.2, is approximately 5 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Vancomycin is a glycopeptide antibiotic identified for its utility in the treatment of gram-positive bacteria, including penicillin-resistant staphylococci. It acts by binding to bacterial cell wall protein precursors, interfering with continuing protein synthesis. Vancomycin resistance in staphylococcal species has recently emerged as a clinical issue.

References