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# Glycopeptide Antibiotic

National Cancer Institute

## Source

National Cancer Institute. *Glycopeptide Antibiotic*. NCI Thesaurus. Code C61101.

One of a class of antibiotics originally isolated from plant and soil bacteria with structures containing either a glycosylated cyclic or polycyclic nonribosomal peptide. These antibiotics inhibit the cell wall structure of susceptible organisms (principally Gram-positive cocci) by inhibiting peptidoglycan synthesis. First-generation glycopeptide antibiotics include vancomycin, teicoplanin, and ramoplanin; second-generation semi-synthetic glycopeptide antibiotics include oritavancin, dalbavancin, and telavancin.