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Dalbavancin

National Cancer Institute

Source

National Cancer Institute. *Dalbavancin*. NCI Thesaurus. Code C116741.

A second-generation, semi-synthetic lipoglycopeptide antibiotic, with bactericidal activity against a variety of gram-positive bacteria. Upon administration, dalbavancin binds, at a site different from that of penicillins and cephalosporins, tightly to the D-alanyl-D-alanine portion of peptidoglycan chains, thereby preventing peptidoglycan elongation and interfering with bacterial cell wall synthesis. This leads to activation of bacterial autolysins and induces cell wall lysis.