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Tigecycline

National Cancer Institute

Source

National Cancer Institute. *Tigecycline*. NCI Thesaurus. Code C72865.

A broad-spectrum glycycline antibiotic derived from tetracycline. Tigecycline binds to the 30S ribosomal subunit, thereby interfering with the binding of aminoacyl-tRNA to the mRNA-ribosome complex. This prevents the incorporation of amino acid residues into the elongating peptide chain, inhibiting protein synthesis and eventually bacterial cell growth.