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Penicillin G Benzathine

National Cancer Institute

Source

National Cancer Institute. *Penicillin G Benzathine*. NCI Thesaurus. Code C47657.

The long-acting benzathine salt form of penicillin G, a broad-spectrum penicillin antibiotic. Penicillin G benzathine binds to penicillin binding proteins (PBP), the enzymes that catalyze the synthesis of peptidoglycan, a critical component of the bacterial cell wall. This leads to the interruption of cell wall synthesis, consequently leading to bacterial cell growth inhibition and cell lysis.