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Azlocillin

National Cancer Institute

Source

National Cancer Institute. *Azlocillin*. NCI Thesaurus. Code C293.

A semisynthetic, extended spectrum acylampicillin with antibacterial activity. Azlocillin binds to penicillin-binding proteins (PBPs) located inside the bacterial cell wall, thereby inhibiting the cross-linking of peptidoglycans, which are critical components of the bacterial cell wall. This prevents proper bacterial cell wall synthesis, thereby results in the weakening of the bacterial cell wall and eventually leading to cell lysis.