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Cloxacillin Sodium

National Cancer Institute

Source

National Cancer Institute. *Cloxacillin Sodium*. NCI Thesaurus. Code C47460.

The sodium salt of cloxacillin, a semisynthetic beta-lactamase resistant penicillin antibiotic with antibacterial activity. Cloxacillin binds to and inactivates penicillin-binding proteins (PBPs) located on the inner membrane of the bacterial cell wall, thereby preventing the cross-linkage of peptidoglycans, which are critical components of the bacterial cell wall. This leads to an interruption of the bacterial cell wall and causes bacterial cell lysis.