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Methicillin Sodium

National Cancer Institute

Source

National Cancer Institute. *Methicillin Sodium*. NCI Thesaurus. Code C47611.

The sodium salt form of methicillin, a semisynthetic beta-lactam penicillin antibiotic with beta-lactamase resistant activity. Methicillin sodium is bactericidal and binds to specific penicillin-binding proteins on the bacterium and inhibits the transpeptidation enzyme, thereby preventing the cross-linking of peptidoglycans. This leads to an interruption of the bacterial cell wall and causes bacterial lysis. Methicillin sodium is active against beta-lactamase producing staphylococci.