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Cefixime

National Cancer Institute

Source

National Cancer Institute. *Cefixime*. NCI Thesaurus. Code C1100.

A broad-spectrum, third-generation cephalosporin antibiotic derived semisynthetically from the marine fungus *Cephalosporium acremonium* with antibacterial activity. As does penicillin, the beta-lactam antibiotic cefixime inhibits bacterial cell wall synthesis by disrupting peptidoglycan synthesis, resulting in a reduction in bacterial cell wall stability and bacterial cell lysis. Stable in the presence of a variety of beta-lactamases, this agent is more active against gram-negative bacteria and less active against gram-positive bacteria compared to second-generation cephalosporins.