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Ceftobiprole Medocaril

National Cancer Institute

Source

National Cancer Institute. *Ceftobiprole Medocaril*. NCI Thesaurus. Code C70597.

A water-soluble prodrug of ceftobiprole, a pyrrolidinone cephalosporin antibiotic, with bactericidal activity. Ceftobiprole binds to and inactivates penicillin-binding proteins (PBPs), enzymes involved in the terminal stages of bacterial cell wall assembly and cell wall reshaping during bacterial growth and division. This agent exhibits a broad spectrum of activity against gram-negative and gram-positive pathogens including methicillin-resistant *S. aureus* (MRSA), vancomycin-intermediate *S. aureus* (VISA) and vancomycin-resistant *S. aureus* (VRSA). Ceftobiprole is refractory to hydrolysis by class A and class C lactamases.