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# Cefotiam

National Cancer Institute

## Source

National Cancer Institute. *Cefotiam*. NCI Thesaurus. Code C65301.

A third-generation, semi-synthetic, beta-lactam cephalosporin antibiotic with antibacterial activity. Cefotiam binds to penicillin-binding proteins (PBPs), transpeptidases that are responsible for crosslinking of peptidoglycan. By preventing crosslinking of peptidoglycan, cell wall integrity is lost and cell wall synthesis is halted.