

[Open Peer Review on Qeios](#)

Cyclacillin

National Cancer Institute

Source

National Cancer Institute. *Cyclacillin*. NCI Thesaurus. Code C47464.

A semi-synthetic beta-lactam aminocyclohexylpenicillin antibiotic. Cyclacillin is bactericidal and binds to specific penicillin-binding proteins, thereby inhibiting transpeptidation during peptidoglycan synthesis. This leads to an interruption of the bacterial cell wall, causing instability of bacterial cell wall and results in cell lysis. Cyclacillin is beta-lactamase susceptible.