

[Open Peer Review on Qeios](#)

# Ampicillin Trihydrate

National Cancer Institute

## Source

National Cancer Institute. *Ampicillin Trihydrate*. NCI Thesaurus. Code C47960.

The trihydrate form of ampicillin, a broad-spectrum semisynthetic derivative of aminopenicillin. Ampicillin trihydrate inhibits bacterial cell wall synthesis by binding to penicillin binding proteins, thereby inhibiting peptidoglycan synthesis, a critical component of the bacterial cell wall.