Open Peer Review on Qeios

# Ceftazidime/Avibactam Sodium

National Cancer Institute

## Source

*National Cancer Institute. Ceftazidime/Avibactam Sodium. NCI Thesaurus. Code C127836.*

A combination preparation containing the third-generation cephalosporin ceftazidime and the sodium salt form of avibactam, a non-beta-lactam beta-lactamase inhibitor, with antibiotic and beta-lactamase inhibiting activity, respectively. Upon administration, ceftazidime binds to essential penicillin-binding proteins (PBPs) and inhibits cell wall synthesis in certain bacteria. Avibactam binds to and inactivates beta-lactamases, thereby protecting ceftazidime from degradation and increasing ceftazidime's efficacy.