Open Peer Review on Qeios

## Levofloxacin

National Cancer Institute

## Source

National Cancer Institute. Levofloxacin. NCI Thesaurus. Code C1586.

A broad-spectrum, third-generation fluoroquinolone antibiotic and optically active Lisomer of ofloxacin with antibacterial activity. Levofloxacin diffuses through the bacterial cell wall and acts by inhibiting DNA gyrase (bacterial topoisomerase II), an enzyme required for DNA replication, RNA transcription, and repair of bacterial DNA. Inhibition of DNA gyrase activity leads to blockage of bacterial cell growth.