Description
Norfloxacin is a first generation fluoroquinolone antibiotic that exhibits antibacterial, anti-inflammatory, and anticancer activities. Norfloxacin inhibits DNA gyrase and topoisomerase IV; it is clinically used to treat urinary tract infections and prostatitis. In neutrophils from cirrhotic subjects, norfloxacin increases expression of IL-10 and heme oxygenase 1 (HO-1) and decreases expression of pro-inflammatory cytokines. Additionally, when complexed with gold(III), norfloxacin binds DNA and inhibits cellular proliferation in several cancer cell lines.

References


Paděskaia EN. Norfloxacin: more than 20 years of clinical use, the results and place among fluoroquinolones in modern chemotherapy for infections. Antibiot Khimioter. 2003;48(9):28-36. PMID: 15002177.