Sitafloxacin

**Cat. No.:** HY-B0395  
**CAS No.:** 127254-12-0  
**Molecular Formula:** C₁₉H₁₈ClF₂N₃O₃  
**Molecular Weight:** 409.81  
**Target:** Bacterial  
**Pathway:** Anti-infection  
**Storage:** Please store the product under the recommended conditions in the COA.

### BIOLOGICAL ACTIVITY

**Description**

Sitafloxacin is a new-generation, broad-spectrum oral fluoroquinolone antibiotic. Target: Antibacterial

Sitafloxacin, a new-generation, broad-spectrum oral fluoroquinolone that is very active against many Gram-positive, Gram-negative and anaerobic clinical isolates, including strains resistant to other fluoroquinolones, was recently approved in Japan for the treatment of respiratory and urinary tract infections [1]. In terms of clinical efficacy, oral sitafloxacin was noninferior to oral levofloxacin in the treatment of community-acquired pneumonia or an infectious exacerbation of chronic respiratory tract disease, noninferior to oral tosufloxacin in the treatment of community-acquired pneumonia, and noninferior to oral levofloxacin in the treatment of complicated urinary tract infections, according to the results of randomized, double-blind, multicentre, noninferiority trials. Noncomparative studies demonstrated the efficacy of oral sitafloxacin in otorhinolaryngological infections, urethritis in men, C. trachomatis-associated cervicitis in women and odontogenic infections [2].

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### REFERENCES

