Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

# Moxifloxacin (Hydrochloride)

## Catalog No: tcsc1063

### Available Sizes

**Size:** 50mg

**Size:** 100mg

**Size:** 500mg

### Specifications

**CAS No:**
186826-86-8

**Formula:**
$C_{21}H_{25}ClFN_3O_4$

**Pathway:**
Anti-infection

**Target:**
Bacterial

**Purity / Grade:**
>98%

**Solubility:**
DMSO : ≥ 31 mg/mL (70.79 mM)

**Alternative Names:**
BAY-128039

**Observed Molecular Weight:**
437.89

## Product Description

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Moxifloxacin (Hydrochloride) is a synthetic fluoroquinolone antibiotic agent.

Target: Antibacterial

Moxifloxacin is an extended-spectrum fluoroquinolone which has improved coverage against gram-positive cocci and atypical pathogens compared with older fluoroquinolone agents, while retaining good activity against gram-negative bacteria. The antibacterial spectrum of moxifloxacin includes all major upper and lower respiratory tract pathogens; it is one of the most active fluoroquinolones against pneumococci, including penicillin- and macrolide-resistant strains [1]. Moxifloxacin has limited phototoxic potential. In clinical trials, moxifloxacin had clinical success rates of 88-97% and bacteriologic eradication rates of 90-97%. Moxifloxacin is a safe and effective antimicrobial that will be useful for treating acute sinusitis, acute bacterial exacerbations of chronic bronchitis, and community-acquired pneumonia [2]. Moxifloxacin possibly stimulates lipid peroxidation and enhances phagocytosis, as depicted by MDA production and survival prolongation, without being toxic as depicted by white blood cell count [3].

Clinical indications: Abdominal abscess; Acute bronchitis; Acute sinusitis; Bacterial infection

Toxicity: Symptoms of overdose include CNS and gastrointestinal effects such as decreased activity, somnolence, tremor, convulsions, vomiting, and diarrhea. The minimal lethal intravenous dose in mice and rats is 100 mg/kg.