

# Norfloxacin

## Catalog No: tcsc1906



### Available Sizes

**Size:** 5g

**Size:** 10g



### Specifications

**CAS No:**

70458-96-7

**Formula:**

$C_{16}H_{18}FN_3O_3$

**Pathway:**

Anti-infection

**Target:**

Bacterial

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 6.6 mg/mL (20.67 mM; Need ultrasonic and warming)

**Alternative Names:**

MK-0366

**Observed Molecular Weight:**

319.33

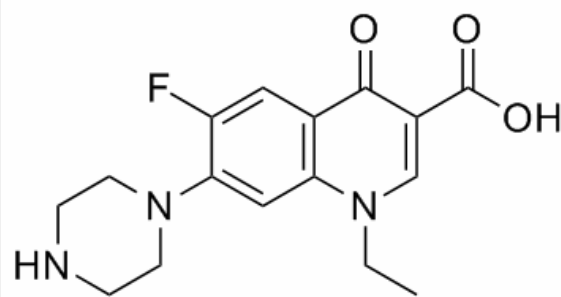
### Product Description

Norfloxacin is a broad-spectrum antibiotic that is active against both Gram-positive and Gram-negative bacteria, which functions by inhibiting DNA gyrase.

Target: DNA gyrase; Antibacterial

Norfloxacin is a synthetic chemotherapeutic antibacterial agent occasionally used to treat common as well as complicated urinary tract infections. Norfloxacin is a broad-spectrum antibiotic that is active against both Gram-positive and Gram-negative bacteria. It functions by inhibiting DNA gyrase, a type II topoisomerase, and topoisomerase IV, enzymes necessary to separate bacterial DNA, thereby inhibiting cell division. There are currently three approved uses in the adult population (one of which is restricted) and the other ineffective due to bacterial resistance. Chibroxin (ophthalmic) is approved for use in children older than one year of age.

Norfloxacin is associated with a number of rare serious adverse reactions as well as spontaneous tendon ruptures and irreversible peripheral neuropathy. Tendon problems may manifest long after therapy had been completed and in severe cases may result in lifelong disabilities. Hepatotoxicity resulting in fatalities has also been reported with the use of norfloxacin.



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