

# Sarafloxacin (hydrochloride)

Catalog No: tcsc2385



## Available Sizes

Size: 1g

Size: 5g



## Specifications

**CAS No:**

91296-87-6

**Formula:**

$C_{20}H_{18}ClF_2N_3O_3$

**Pathway:**

Anti-infection

**Target:**

Bacterial

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 7.8 mg/mL (18.49 mM; Need ultrasonic and warming)

**Alternative Names:**

A-56620 (hydrochloride)

**Observed Molecular Weight:**

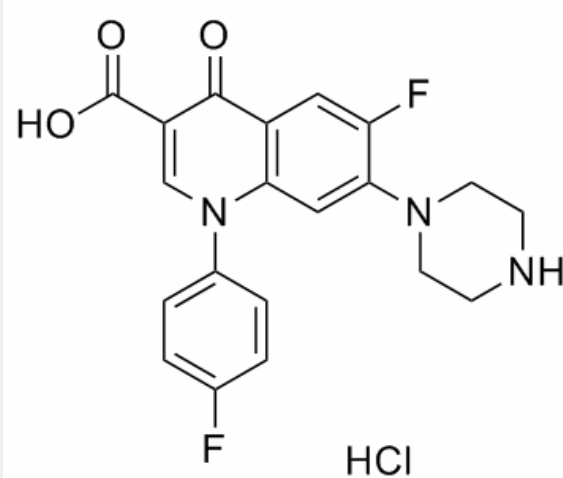
421.83

## Product Description

Sarafloxacin hydrochloride is a quinolone antibiotic drug.

#### Target: Antibacterial

sarafloxacin hydrochloride is a fluoroquinolone antibiotic registered for use against poultry diseases. Sarafloxacin treatment demonstrated mineralization to <sup>14</sup>CO<sub>2</sub> amounting to 0.58%, 0.49%, and 0.57% in loam, silt loam, and sandy loam soils, respectively, at the termination of the test [1]. The inhibitory level of sarafloxacin for the tested bacteria was strain dependent. It appeared that in broth culture *Escherichia coli* isolates were sensitive to sarafloxacin concentrations 5-fold lower than the concentrations present in the simulated gut model, suggesting that sarafloxacin may be partially unavailable due to absorption to organic matter in the model [2]. Administering Sarafloxacin hydrochloride in the feed for 5 d at a dose of 10 or 12.5 mg/kg of fish proved efficacious in treating channel catfish infected with *E. ictaluri* in all three field trials. Average survival of the nonmedicated group was 43% in trial 1, 11% in trial 2, and 59% in trial 3. Survival of the corresponding Sarafloxacin hydrochloride-medicated groups averaged 68, 48, and 73%. Antibiotic therapy with Sarafloxacin hydrochloride significantly (P



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