

# Ozenoxacin

Catalog No: tcsc0003657



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 25mg

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

245765-41-7

**Formula:**

$C_{21}H_{21}N_3O_3$

**Pathway:**

Anti-infection

**Target:**

Bacterial

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 6 mg/mL (16.51 mM; Need ultrasonic and warming)

**Alternative Names:**

T-3912

**Observed Molecular Weight:**

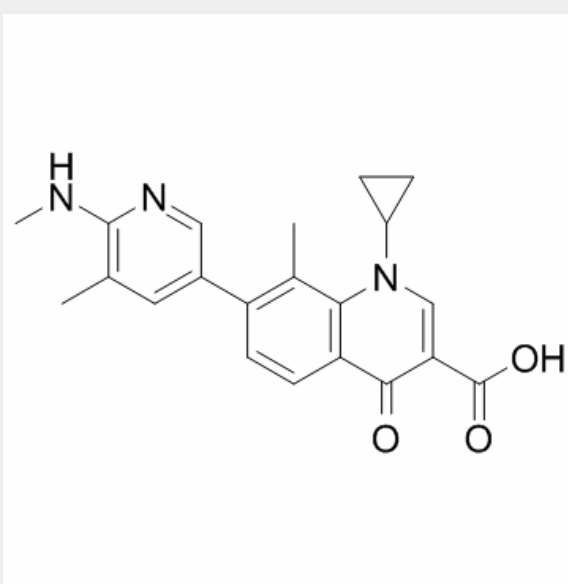
363.41

**Product Description**

Ozenoxacin is a nonfluorinated quinolone antibacterial, which shows potent activities against the main microorganisms isolated from skin and soft tissue infections.

IC50 & Target: Bacterial<sup>[1]</sup>

***In Vitro:*** Ozenoxacin (OZN) shows potent antibacterial activities against clinical isolates of Gram-positive microorganisms, with MICs ranging from 0.008 to 4 mg/L. Ozenoxacin shows good activities against strains of MRSA, MSSA, MSSE, and MRSE with 2, 3, or 4 mutations in the *gyrA* and *grlA* (*parC*) genes<sup>[1]</sup>. Ozenoxacin inhibits MSSA strains and *S. agalactiae* strains, with the rates of resistance of  $>10^{-10}$  and  $5.3 \times 10^{-10}$ , respectively. The maximum MIC value for mutant strains is 8 mg/L for ozenoxacin<sup>[2]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!