Ozenoxacin

MedChemExpress

Cat. No.:	HY-14957			
CAS No.:	245765-41-7			
Molecular Formula:	C ₂₁ H ₂₁ N ₃ O ₃			
Molecular Weight:	363.41			
Target:	Bacterial; Antibiotic			
Pathway:	Anti-infection			
Storage:	Powder	-20°C	3 years	
		4°C	2 years	
	In solvent	-80°C	2 years	
		-20°C	1 year	

SOLVENT & SOLUBILITY

	Solvent Mass Concentration	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7517 mL	13.7586 mL	27.5171 mL
	5 mM	0.5503 mL	2.7517 mL	5.5034 mL
	10 mM			

Description	Ozenoxacin is a nonfluorinated quinolone antibacterial, which shows potent activities against the main microorganisms isolated from skin and soft tissue infections.				
IC ₅₀ & Target	Quinolone				
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 ^[1] . Ozenoxacin inhibits MSSA strains and S. agalactiae strains, with the rates of resistance of >10 ⁻¹⁰ and 5.3 × 10 ⁻¹⁰ , respectively. The maximum MIC value for mutant strains is 8 mg/L for ozenoxacin ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.				

REFERENCES

[1]. López Y, et al. In vitro activity of Ozenoxacin against quinolone-susceptible and quinolone-resistant gram-positive bacteria. Antimicrob Agents Chemother. 2013

Product Data Sheet

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Dec;57(12):6389-92.

[2]. López Y, et al. In vitro selection of mutants resistant to ozenoxacin compared with levofloxacin and ciprofloxacin in Gram-positive cocci. J Antimicrob Chemother. 2015 Jan;70(1):57-61

Caution: Product has not been fully validated for medical applications. For research use only.

 Tel: 609-228-6898
 Fax: 609-228-5909
 E-mail: tech@MedChemExpress.com

 Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA