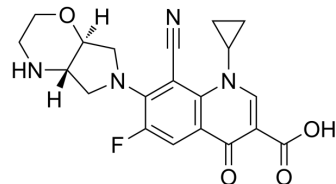


Finafloxacin

Cat. No.:	HY-13451		
CAS No.:	209342-40-5		
Molecular Formula:	C ₂₀ H ₁₉ FN ₄ O ₄		
Molecular Weight:	398.39		
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

In Vitro

DMSO : 6.4 mg/mL (16.06 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5101 mL	12.5505 mL	25.1010 mL
	5 mM	0.5020 mL	2.5101 mL	5.0202 mL
	10 mM	0.2510 mL	1.2551 mL	2.5101 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Finafloxacin is a fluoroquinolone antimicrobial agent that exhibits optimum efficacy in slightly acidic environments. Target: Antibacterial Finafloxacin is a pH-activated fluoroquinolone (belonging to a new 8-cyano subclass) to treat serious bacterial infections associated with an acidic environment, including urinary tract infections (UTIs) and Helicobacter pylori infections. Finafloxacin exhibits optimal efficacy in slightly acidic environments (pH 5.0-6.0), under which other fluoroquinolones lose activity. Finafloxacin is highly selective for bacterial type II topoisomerases, including DNA gyrase and DNA topoisomerase IV. [1]

IC₅₀ & Target

Quinolone

CUSTOMER VALIDATION

- Microb Pathog. 2023 Apr 22;106122.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. McKeage K. Finafloxacin: first global approval. *Drugs*. 2015 Apr;75(6):687-93.

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