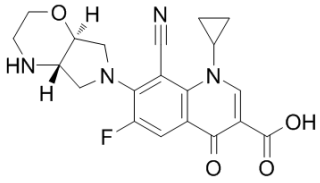
Finafloxacin

Cat. No.:	HY-13451
CAS No.:	209342-40-5
Molecular Formula:	$C_{20}H_{19}FN_4O_4$
Molecular Weight:	398.39
Target:	Bacterial
Pathway:	Anti-infection

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

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

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
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: AntibacterialFinafloxacin 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]

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