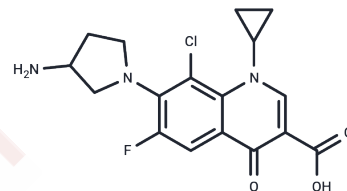


Clinafloxacin

Chemical Properties

CAS No. :	105956-97-6
Formula:	C ₁₇ H ₁₇ ClFN ₃ O ₃
Molecular Weight:	365.79
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Clinafloxacin (CI-960)(PD-127391) is a fluoroquinolone antibiotic.
Targets(IC50)	Antibacterial,Antibiotic
In vivo	Clinafloxacin is an effective broad-spectrum antibiotic exhibiting potent in vitro activity against Gram-positive, Gram-negative, and anaerobic pathogens, and is particularly efficacious against Streptococcus pneumoniae. It demonstrates high activity in Streptococcus pneumoniae strain 7785 (MIC=0.125µg/ml).

Solubility Information

Solubility	DMSO: 1.83 mg/mL (5 mM),Sonication is recommended. H2O: 1 mg/mL (2.73 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7338 mL	13.669 mL	27.3381 mL
5 mM	0.5468 mL	2.7338 mL	5.4676 mL
10 mM	0.2734 mL	1.3669 mL	2.7338 mL
50 mM	0.0547 mL	0.2734 mL	0.5468 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

- Humphrey GH, et al. J Clin Pharmacol, 1999, 39(11), 1143-1150.
 Pan XS, et al. Antimicrob Agents Chemother, 1998, 42(11), 2810-2816.
 Jorgensen JH, et al. Antimicrob Agents Chemother, 2000, 44(11), 2962-2968.

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