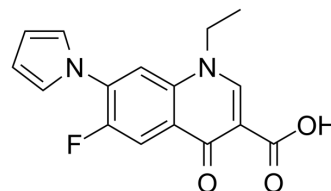


Irloxacin

Cat. No.:	HY-105033		
CAS No.:	91524-15-1		
Molecular Formula:	C ₁₆ H ₁₃ FN ₂ O ₃		
Molecular Weight:	300.28		
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 : 33.33 mg/mL (111.00 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.3302 mL	16.6511 mL	33.3022 mL
	5 mM	0.6660 mL	3.3302 mL	6.6605 mL
	10 mM	0.3330 mL	1.6651 mL	3.3302 mL

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

BIOLOGICAL ACTIVITY

Description

Irloxacin (Pirfloxacin) is a quinolone antibacterial agent. Irloxacin shows greater activity with an acid pH. Irloxacin has a good in vitro antimicrobial spectrum against both gram-positive and gram-negative bacteria. Orally active^[1].

REFERENCES

- [1]. Casal M, et al. Preliminary study of the in vitro activity of irloxacin against mycobacteria. *Chemotherapy*. 1995;41(3):204-207.
- [2]. Guzmán A, et al. Acute and subchronic toxicity studies of the new quinolone antibacterial agent irloxacin in rodents. *Arzneimittelforschung*. 1999;49(5):448-456.

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

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