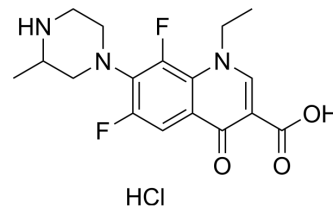


Lomefloxacin hydrochloride

Cat. No.:	HY-B0455
CAS No.:	98079-52-8
Molecular Formula:	C ₁₇ H ₂₀ ClF ₂ N ₃ O ₃
Molecular Weight:	387.81
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 7.14 mg/mL (18.41 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.5786 mL	12.8929 mL	25.7858 mL
	5 mM		0.5157 mL	2.5786 mL	5.1572 mL
	10 mM		0.2579 mL	1.2893 mL	2.5786 mL

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

BIOLOGICAL ACTIVITY

Description

Lomefloxacin (SC47111A) hydrochloride is a broad-spectrum quinolone antibiotic, with antimicrobial activity. Lomefloxacin hydrochloride is used for the research of respiratory tract infections, genitourinary infections, gastrointestinal infections, ENT infections, etc.^{[1][2]}.

IC₅₀ & Target

Quinolone

REFERENCES

[1]. Hoogkamp-Korstanje JA. In-vitro activities of ciprofloxacin, levofloxacin, lomefloxacin, ofloxacin, pefloxacin, sparfloxacin and trovafloxacin against gram-positive and gram-negative pathogens from respiratory tract infections. J Antimicrob Chemother. 1997 Sep;40(3):427-31.

[2]. Reem I Al-Wabli. Lomefloxacin. Profiles Drug Subst Excip Relat Methodol. 2017;42:193-240.

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

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