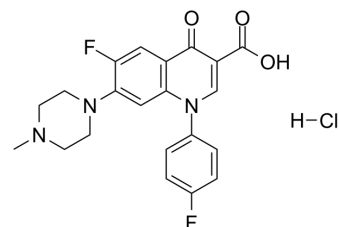


Difloxacin hydrochloride

Cat. No.:	HY-N7066
CAS No.:	91296-86-5
Molecular Formula:	C ₂₁ H ₂₀ ClF ₂ N ₃ O ₃
Molecular Weight:	435.85
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 5 mg/mL (11.47 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2944 mL	11.4718 mL	22.9437 mL
	5 mM	0.4589 mL	2.2944 mL	4.5887 mL
	10 mM	0.2294 mL	1.1472 mL	2.2944 mL

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

BIOLOGICAL ACTIVITY

Description

Difloxacin hydrochloride is a broad-spectrum antibacterial drug. Difloxacin hydrochloride inhibits bacterial DNA gyrase and exhibits a concentration-dependant bactericidal effect by interference with the activity of DNA gyrase and topoisomerase IV [1].

REFERENCES

[1]. Abo El-Ela FI, et al. Pharmacokinetics of difloxacin in healthy and E. coli-infected broiler chickens. Br Poult Sci. 2014;55(6):830-6.

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