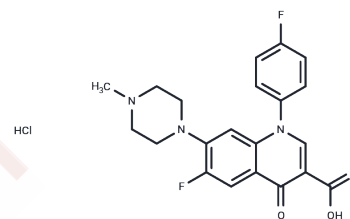


## Difloxacin hydrochloride

### Chemical Properties

CAS No. :	91296-86-5
Formula:	C <sub>21</sub> H <sub>20</sub> ClF <sub>2</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	435.80
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



### Biological Description

Description	Difloxacin hydrochloride (Difloxacin HCl) is a fluoroquinolone antibiotic, is a broad-spectrum antibacterial drug.
Targets(IC50)	Antibacterial,Antibiotic

### Solubility Information

Solubility	DMSO: 4.36 mg/mL (10 mM),Sonication is recommended. H <sub>2</sub> O: 5 mg/mL (11.47 mM),Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2946 mL	11.4732 mL	22.9463 mL
5 mM	0.4589 mL	2.2946 mL	4.5893 mL
10 mM	0.2295 mL	1.1473 mL	2.2946 mL
50 mM	0.0459 mL	0.2295 mL	0.4589 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

#### Reference

Abo El-Ela F I , Radi A M , El-Banna H A , et al. Pharmacokinetics of difloxacin in healthy and \r, E. coli\r, -infected broiler chickens[J]. British Poultry Science, 2014, 55(6):830-836.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481