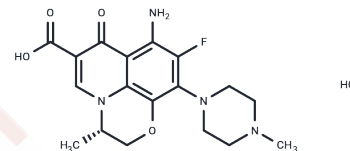


Antofloxacin Hydrochloride

Chemical Properties

CAS No. : 873888-67-6
 Formula: C₁₈H₂₂ClFN₄O₄
 Molecular Weight: 412.84
 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	Antofloxacin Hydrochloride, a fluoroquinolone antimicrobial, is used to treat acute exacerbation of chronic bronchitis (AECB), acute pyelonephritis (AP), acute cystitis and multiple folliculitis.
Targets (IC ₅₀)	Others, Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4222 mL	12.1112 mL	24.2225 mL
5 mM	0.4844 mL	2.4222 mL	4.8445 mL
10 mM	0.2422 mL	1.2111 mL	2.4222 mL
50 mM	0.0484 mL	0.2422 mL	0.4844 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

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- Wang J, Xiao Y, Lu Y, Kang Z, Zhang M, Liu Y, Liang J, Zhang M, Li T. Pharmacokinetics of antofloxacin hydrochloride in healthy male subjects after multiple intravenous dose administration. *Xenobiotica.* 2011 Jul;41(7):561-6. doi: 10.3109/00498254.2011.565820. PubMed PMID: 21446836.
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- Zhao J, Liu Y, Jiang X, Guo P, Xu Y, Zhang P, Ji T, Lin Z, Wang W. Effect of C-5 position on the photochemical properties and phototoxicity of antofloxacin and levofloxacin: A stable and transient study. *J Photochem Photobiol B.* 2016 Feb;155:122-9. doi: 10.1016/j.jphotobiol.2015.12.004. PubMed PMID: 26746788.

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