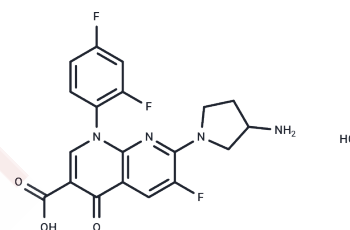


Tosufloxacin hydrochloride

Chemical Properties

CAS No. :	104051-69-6
Formula:	C ₁₉ H ₁₆ ClF ₃ N ₄ O ₃
Molecular Weight:	440.8
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	Tosufloxacin hydrochloride is a fluoroquinolone antibacterial agent used to treat bacterial infections. Tosufloxacin hydrochloride is also a bacterial Topo (DNA gyrase, topoisomerase) inhibitor.
Targets(IC50)	Antibacterial, Antibiotic

Solubility Information

Solubility	DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2686 mL	11.343 mL	22.686 mL
5 mM	0.4537 mL	2.2686 mL	4.5372 mL
10 mM	0.2269 mL	1.1343 mL	2.2686 mL
50 mM	0.0454 mL	0.2269 mL	0.4537 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

- Li T , Wang J , Cao Q , et al. Identification of Novel Genes Involved in Escherichia coli Persistence to Tosufloxacin[J]. Frontiers in Cellular and Infection Microbiology, 2020, 10:581986.
- Chu D T W , Lico I M , Swanson R N , et al. Synthesis and biological properties of A-71497: a prodrug of tosufloxacin [J]. Drugs Under Experimental & Clinical Research, 1990, 16(9):435.

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