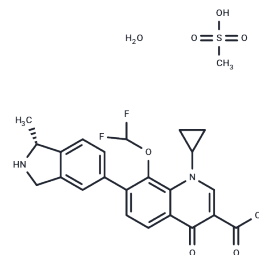


Garenoxacin mesylate hydrate

Chemical Properties

CAS No. : 223652-90-2
 Formula: C₂₃H₂₀F₂N₂O₄.CH₄O₃S.H₂O
 Molecular Weight: 540.53
 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	Garenoxacin mesylate hydrate (Garenoxacin mesylate [USAN]) with potent antimicrobial activity, against common respiratory pathogens, including resistant strains.
Targets(IC50)	Antibacterial,Antibiotic,DNA/RNA Synthesis,Topoisomerase

Solubility Information

Solubility	DMSO: 30 mg/mL (55.5 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.850 mL	9.2502 mL	18.5004 mL
5 mM	0.370 mL	1.850 mL	3.7001 mL
10 mM	0.185 mL	0.925 mL	1.850 mL
50 mM	0.037 mL	0.185 mL	0.370 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

Ince, D, Zhang, X, Silver, L. C,et al. Dual Targeting of DNA Gyrase and Topoisomerase IV: Target Interactions of Garenoxacin (BMS-284756, T-3811ME), a New Desfluoroquinolone[J]. Antimicrobial Agents & Chemotherapy, 46 (11):3370-3380.

Waites K B , Crabb D M , Bing X , et al. In Vitro Susceptibilities to and Bactericidal Activities of Garenoxacin (BMS-284756) and Other Antimicrobial Agents against Human Mycoplasmas and Ureaplasmas[J]. Antimicrobial Agents and Chemotherapy, 2003, 47(1):161-165.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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