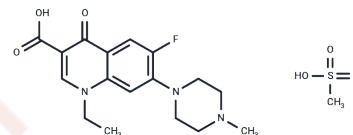


Pefloxacin Mesylate

Chemical Properties

CAS No. :	70458-95-6
Formula:	C ₁₈ H ₂₄ FN ₃ O ₆ S
Molecular Weight:	429.46
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Pefloxacin Mesylate (Pefloxacinium mesylate) is a synthetic broad-spectrum fluoroquinolone antibacterial agent active against most gram-negative and gram-positive bacteria.
Targets(IC50)	Antibacterial,Antibiotic,Topoisomerase

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 4.3 mg/mL (10 mM),Sonication is recommended. H2O: 61 mg/mL (142.04 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	2.3285 mL	11.6425 mL	23.2851 mL
5 mM	0.4657 mL	2.3285 mL	4.657 mL
10 mM	0.2329 mL	1.1643 mL	2.3285 mL
50 mM	0.0466 mL	0.2329 mL	0.4657 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.

Reference

Vila J, et al. Int J Antimicrob Agents. 2006 Jul;28(1):19-24.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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