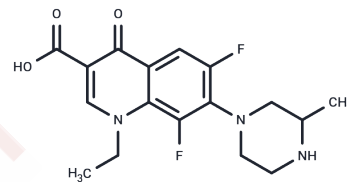


Lomefloxacin

Chemical Properties

CAS No. :	98079-51-7
Formula:	C ₁₇ H ₁₉ F ₂ N ₃ O ₃
Molecular Weight:	351.35
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Lomefloxacin (SC47111A) is a synthetic broad-spectrum fluoroquinolone with antibacterial activity.
Targets(IC50)	Antibacterial, Antibiotic, Topoisomerase

Solubility Information

Solubility	DMSO: 1.07 mg/mL (3.05 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	2.8462 mL	14.2308 mL	28.4616 mL
5 mM	0.5692 mL	2.8462 mL	5.6923 mL
10 mM	0.2846 mL	1.4231 mL	2.8462 mL
50 mM	0.0569 mL	0.2846 mL	0.5692 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

Takenouchi T, et al. Antimicrob Agents ChemOthers. 1995 Jul;39(7):1414-8

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