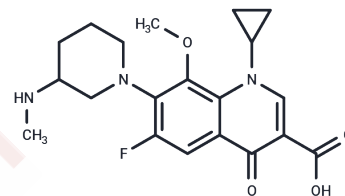


Balofloxacin

Chemical Properties

CAS No. :	127294-70-6
Formula:	C ₂₀ H ₂₄ FN ₃ O ₄
Molecular Weight:	389.42
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	Balofloxacin, a quinolone antibiotic, can inhibit the synthesis of bacterial DNA by interfering with the DNA gyrase.
Targets(IC50)	Antibacterial, Antibiotic, DNA gyrase

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 1 mg/mL (2.57 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	2.5679 mL	12.8396 mL	25.6792 mL
5 mM	0.5136 mL	2.5679 mL	5.1358 mL
10 mM	0.2568 mL	1.284 mL	2.5679 mL
50 mM	0.0514 mL	0.2568 mL	0.5136 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

Alksne L. Curr Opin Investig Drugs. 2003 Feb;4(2):224-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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