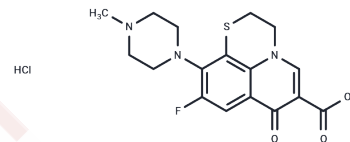


Rufloxacin hydrochloride

Chemical Properties

CAS No. :	106017-08-7
Formula:	C ₁₇ H ₁₉ ClFN ₃ O ₃ S
Molecular Weight:	399.867
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	Rufloxacin hydrochloride (MF-934 hydrochloride) is a fluoroquinolone antibacterial that inhibits topoisomerase and B-cell differentiation in human mononuclear cells.
Targets(IC50)	Antibacterial, Antibiotic

Solubility Information

Solubility	H ₂ O: 1 mg/mL (2.5 mM), Sonication is recommended. DMSO: 0.08 mg/mL (0.2 mM), Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5008 mL	12.5041 mL	25.0081 mL
5 mM	0.5002 mL	2.5008 mL	5.0016 mL
10 mM	0.2501 mL	1.2504 mL	2.5008 mL
50 mM	0.050 mL	0.2501 mL	0.5002 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

Catalfo A, et al. Rufloxacin induced photosensitization in bio-models of increasing complexity. Photochem Photobiol Sci. 2005 Mar;4(3):304-14.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481