

A 80556

Chemical Properties

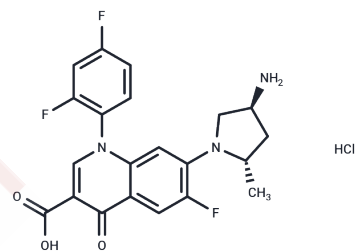
CAS No. : 114676-82-3

Formula: C₂₁H₁₉ClF₃N₃O₃

Molecular Weight: 453.84

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	A 80556, a fluoroquinolone antibiotic, has potent antibacterial activity against gram-positive, gram-negative, and anaerobic organisms.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2034 mL	11.0171 mL	22.0342 mL
5 mM	0.4407 mL	2.2034 mL	4.4068 mL
10 mM	0.2203 mL	1.1017 mL	2.2034 mL
50 mM	0.0441 mL	0.2203 mL	0.4407 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

Clement JJ, Tanaka SK, Alder J, Vojtko C, Beyer J, Hensey D, Ramer N, McDaniel D, Chu DT. In vitro and in vivo evaluations of A-80556, a new fluoroquinolone. Antimicrob Agents Chemother. 1994 May;38(5):1071-8. PubMed PMID: 8067740; PubMed Central PMCID: PMC188152.

Destache CJ, Pakiz CB, Stoylich AM. Pharmacodynamics and pharmacokinetics of A-80556 using microdialysis in a Streptococcus pneumoniae meningitis model. J Antimicrob Chemother. 1996 Dec;38(6):977-85. PubMed PMID: 9023645.

Yew WW, Piddock LJ, Li MS, Lyon D, Chan CY, Cheng AF. In-vitro activity of quinolones and macrolides against mycobacteria. J Antimicrob Chemother. 1994 Sep;34(3):343-51. PubMed PMID: 7829409.

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