

WQ3810 TFA

Chemical Properties

CAS No. :

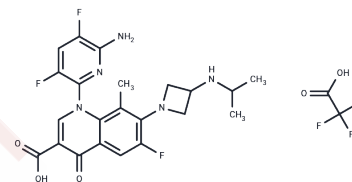
Formula: C₂₄H₂₃F₆N₅O₅

Molecular Weight: 575.46

Store at low temperature

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	WQ3810 TFA is an orally available fluoroquinolone with antimicrobial activity against Mycobacterium tuberculosis and inhibits the DNA rotamase activity of Mycobacterium leprae resistant to ofloxacin.
Targets(IC50)	Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7377 mL	8.6887 mL	17.3774 mL
5 mM	0.3475 mL	1.7377 mL	3.4755 mL
10 mM	0.1738 mL	0.8689 mL	1.7377 mL
50 mM	0.0348 mL	0.1738 mL	0.3475 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

Koide K, et al. WQ-3810 exerts high inhibitory effect on quinolone-resistant DNA gyrase of Salmonella Typhimurium. Biosci Biotechnol Biochem. 2019 Dec;83(12):2249-2256.

Park JH, Yamaguchi T, Ouchi Y, Koide K, Mori S, Kim H, Mukai T, Nakajima C, Suzuki Y. WQ-3810 inhibits DNA gyrase activity in ofloxacin-resistant Mycobacterium leprae. J Infect Chemother. 2020 Apr;26(4):335-342.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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