

Oxaquin TEA

Chemical Properties

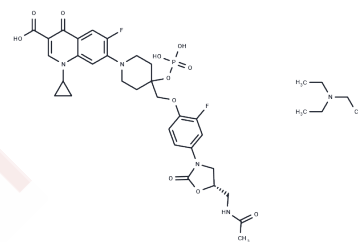
CAS No. :

Formula: C37H48F2N5O11P

Molecular Weight: 807.77

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	Oxaquin TEA (MCB-3837 TEA), a precursor compound to MCB3681, is a DNA topoisomerase inhibitor that can be used to study Clostridium difficile infections and cross-infections.
Targets(IC50)	Antifungal, Topoisomerase

Solubility Information

Solubility	DMSO: 50 mg/mL (61.9 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	1.238 mL	6.1899 mL	12.3798 mL
5 mM	0.2476 mL	1.238 mL	2.476 mL
10 mM	0.1238 mL	0.619 mL	1.238 mL
50 mM	0.0248 mL	0.1238 mL	0.2476 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

Rashid MU, et al. Ecological impact of MCB3837 on the normal human microbiota. Int J Antimicrob Agents. 2014;44 (2):125-130.

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