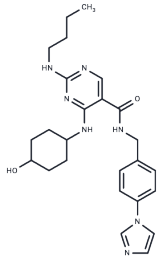
Data Sheet (Cat.No.T2629)

TargetMol

UNC2881

Chemical Properties



CAS No. : 1493764-08-1

Formula: C25H33N7O2

Molecular Weight: 463.58

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	UNC2881 is a specific Mer tyrosine kinase inhibitor (IC50: 4.3 nM). It is about 83- and 58-fold higher selectivity than Axl and Tyro3, respectively.
Targets(IC50)	TAM Receptor
In vitro	In mice, UNC2881 exhibits a high total clearance rate (94.5 ml/kg/min), with an oral bioavailability of 14%.
In vivo	UNC2881 inhibits the activity of Mer kinase in 697 B-ALL cells (IC50: 22 nM) and suppresses collagen-stimulated platelet aggregation.

Solubility Information

Solubility	H2O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 85 mg/mL (183.36 mM),Sonication is recommended. Ethanol: 5 mg/mL (10.78 mM),Heating is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1571 mL	10.7856 mL	21.5712 mL
5 mM	0.4314 mL	2.1571 mL	4.3142 mL
10 mM	0.2157 mL	1.0786 mL	2.1571 mL
50 mM	0.0431 mL	0.2157 mL	0.4314 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.

Reference

Zhang W, et al. J Med Chem. 2013, 56(23), 9693-9700.

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