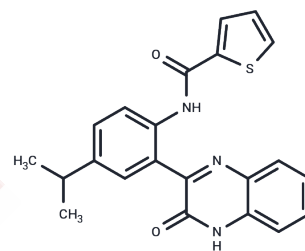


ML281

Chemical Properties

CAS No. : 1404437-62-2
 Formula: C₂₂H₁₉N₃O₂S
 Molecular Weight: 389.47
 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	ML281, a potent and selective STK33 inhibitor, exhibits an IC ₅₀ of 14 nM.
Targets(IC ₅₀)	Serine Protease

Solubility Information

Solubility	DMSO: 50 mg/mL (128.38 mM),Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5676 mL	12.838 mL	25.6759 mL
5 mM	0.5135 mL	2.5676 mL	5.1352 mL
10 mM	0.2568 mL	1.2838 mL	2.5676 mL
50 mM	0.0514 mL	0.2568 mL	0.5135 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

Spoonamore J et al. National Center for Biotechnology Information (US); 2010-2011 Dec 16.,www.ncbi.nlm.nih.gov/pubmed/23658944
 WeïwerM et al. ACS Med Chem Lett, 2012 Dec 13, 3(12):1034-1038.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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