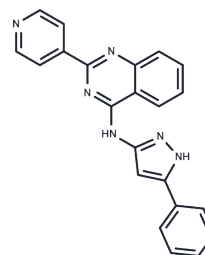


UNI418

Chemical Properties

CAS No. : 1802068-51-4
 Formula: C₂₂H₁₆N₆
 Molecular Weight: 364.40
 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	UNI418 is a dual inhibitor targeting PIKfyve and PIP5K1C, exhibiting antiviral activity against SARS-CoV-2 (EC ₅₀ =1.4 μM). It inhibits the endocytosis of the virus mediated by ACE2 by suppressing PIP5K1C (IC ₅₀ =60.1 nM; K _d =61 nM). Additionally, UNI418 impedes the entry of SARS-CoV-2 into host cells by inhibiting the proteolytic activation regulated by PIKfyve (K _d =0.78 nM).
Targets(IC ₅₀)	PI3K,SARS-CoV

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7442 mL	13.7212 mL	27.4424 mL
5 mM	0.5488 mL	2.7442 mL	5.4885 mL
10 mM	0.2744 mL	1.3721 mL	2.7442 mL
50 mM	0.0549 mL	0.2744 mL	0.5488 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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