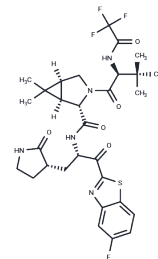


TKB272

Chemical Properties

CAS No. : 2892688-18-3
 Formula: C30H35F4N5O5S
 Molecular Weight: 653.688
 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	TKB272 is an orally active antiviral agent that selectively targets the main protease (Mpro) of SARS-CoV-2, effectively inhibiting the infection and replication of various strains, including Omicron variants (such as XBB.1.5 and EG.5.1). It exhibits an enzyme inhibitory activity with an IC50 of 0.7 μ M against SARS-CoV-2WK-521 Mpro and shows potent antiviral activity at the cellular level with an EC50 as low as 2.6 nM in HeLahACE2-TMPRSS2 cells against the BQ.1.1 strain. TKB272 also has a CC50 of 98 μ M, indicating low cytotoxicity. Furthermore, it demonstrates a significant suppression of SARS-CoV-2XBB.1.5 replication in the B6.Cg-Tg(K18-hACE2)2-Prlmn/J transgenic mouse model, suggesting potential use in the research of SARS-CoV-2 infections.
Targets(IC50)	SARS-CoV

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5298 mL	7.6489 mL	15.2978 mL
5 mM	0.306 mL	1.5298 mL	3.0596 mL
10 mM	0.153 mL	0.7649 mL	1.5298 mL
50 mM	0.0306 mL	0.153 mL	0.306 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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481