

CDD-1845

Chemical Properties

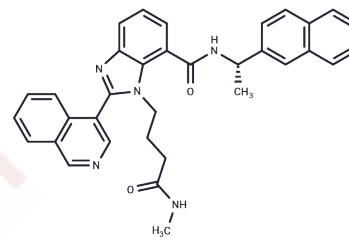
CAS No. : 2894104-50-6

Formula: C₃₄H₃₁N₅O₂

Molecular Weight: 541.64

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	CDD-1845, a non-covalent, non-peptide inhibitor, exhibits potent inhibition of SARS-CoV-2 M ^{pro} with a K _i value of 3 nM. Additionally, CDD-1845 is effective against M ^{pro} variants ΔP168, A173V, and the combined ΔP168/A173V variant [1].
Targets(IC50)	SARS-CoV

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8462 mL	9.2312 mL	18.4624 mL
5 mM	0.3692 mL	1.8462 mL	3.6925 mL
10 mM	0.1846 mL	0.9231 mL	1.8462 mL
50 mM	0.0369 mL	0.1846 mL	0.3692 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

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