

SARS-CoV-2-IN-107

Chemical Properties

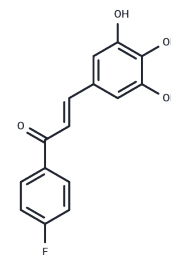
CAS No. :

Formula: C₁₅H₁₁F₀O₄

Molecular Weight: 274.244

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	SARS-CoV-2-IN-107 (Compound A7) is an inhibitor of SARS-CoV-2 3CLpro, with an IC ₅₀ of 261.3 nM. It inhibits the replication of SARS-CoV-2, exhibiting an EC ₅₀ of 11.7 μM. Additionally, SARS-CoV-2-IN-107 demonstrates anti-inflammatory activity in LPS-stimulated RAW264.7 macrophages, with a NO inhibition rate of 68.6%.
Targets(IC ₅₀)	NO Synthase,SARS-CoV,Virus Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6464 mL	18.2322 mL	36.4644 mL
5 mM	0.7293 mL	3.6464 mL	7.2929 mL
10 mM	0.3646 mL	1.8232 mL	3.6464 mL
50 mM	0.0729 mL	0.3646 mL	0.7293 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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