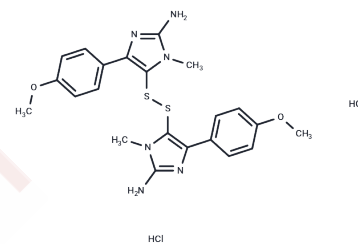


Polycarpine hydrochloride

Chemical Properties

CAS No. :	175669-29-1
Formula:	C ₂₂ H ₂₆ Cl ₂ N ₆ O ₂ S ₂
Molecular Weight:	541.52
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	Polycarpine hydrochloride (1a), a broad-spectrum Mpro inhibitor (IC ₅₀ = 30 nM), is sourced from Polycarpa aurata and functions as an anti-coronaviral agent. This compound exhibits both antiviral and antifungal properties, with IC ₅₀ values of 30.0 nM against SARS-CoV-2 Mpro and 0.12 μM against PEDV Mpro [1].
Targets(IC ₅₀)	Antifungal, Influenza Virus, SARS-CoV, Virus Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8467 mL	9.2333 mL	18.4665 mL
5 mM	0.3693 mL	1.8467 mL	3.6933 mL
10 mM	0.1847 mL	0.9233 mL	1.8467 mL
50 mM	0.0369 mL	0.1847 mL	0.3693 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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481