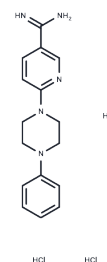


C1s-IN-1 trihydrochloride

Chemical Properties

CAS No. : 1376162-36-5
 Formula: C₁₆H₂₂Cl₃N₅
 Molecular Weight: 390.74
 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	C1s-IN-1 trihydrochloride (Compound A1) is a selective inhibitor of C1s protease with a K_i of 5.8 μ M. This compound inhibits the cleavage of C2 by C1s with an IC_{50} of 85 μ M and prevents activation of the classical pathway, with an IC_{50} of 22 μ M. Additionally, C1s-IN-1 trihydrochloride acts as a competitive inhibitor of thrombin, exhibiting a K_i of 51.2 μ M.
Targets(IC_{50})	Complement System

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5592 mL	12.7962 mL	25.5925 mL
5 mM	0.5118 mL	2.5592 mL	5.1185 mL
10 mM	0.2559 mL	1.2796 mL	2.5592 mL
50 mM	0.0512 mL	0.2559 mL	0.5118 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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