

DPP-1-IN-1

Chemical Properties

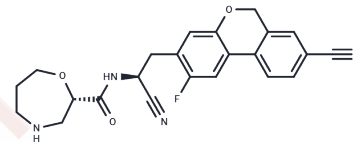
CAS No. : 2781135-27-9

Formula: C₂₃H₂₁FN₄O₃

Molecular Weight: 420.44

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	DPP-1-IN-1 (Compound 14) is an orally active inhibitor of cathepsin C (also known as dipeptidyl peptidase I), with an IC ₅₀ of 5.31 nM. It effectively suppresses downstream neutrophil elastase activity in neutrophils mediated by cathepsin C. DPP-1-IN-1 is applicable for studying inflammatory diseases.
Targets(IC ₅₀)	Proteasome,Serine Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3785 mL	11.8923 mL	23.7846 mL
5 mM	0.4757 mL	2.3785 mL	4.7569 mL
10 mM	0.2378 mL	1.1892 mL	2.3785 mL
50 mM	0.0476 mL	0.2378 mL	0.4757 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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