

DPP-4-IN-1

Chemical Properties

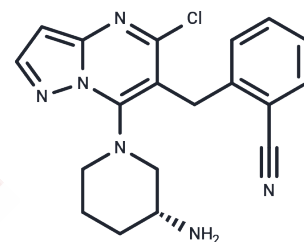
CAS No. : 2215027-46-4

Formula: C₁₉H₁₉ClN₆

Molecular Weight: 366.85

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-4-IN-1 (compound d1) is a highly potent inhibitor of DPP-4 (dipeptidyl peptidase 4) with an IC ₅₀ of 49 nM, making it suitable for diabetes research [1]. Structurally similar to Alogliptin, it can be effectively utilized for studying diabetes-related mechanisms.
Targets(IC ₅₀)	Others,Proteasome

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7259 mL	13.6295 mL	27.2591 mL
5 mM	0.5452 mL	2.7259 mL	5.4518 mL
10 mM	0.2726 mL	1.363 mL	2.7259 mL
50 mM	0.0545 mL	0.2726 mL	0.5452 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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