

DPP-4 inhibitor 3

Chemical Properties

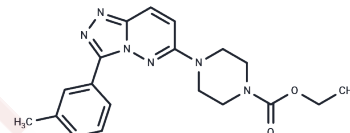
CAS No. : 2402735-14-0

Formula: C₁₉H₂₂N₆O₂

Molecular Weight: 366.42

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	Compound 5a, also known as DPP-4 inhibitor 3, is a powerful dipeptidyl peptidase IV (DPP-IV) inhibitor, demonstrating an IC ₅₀ value of 0.75 nM. It exhibits outstanding antioxidant and insulinotropic activity [1].
Targets(IC ₅₀)	Reactive Oxygen Species, DPP-4

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7291 mL	13.6455 mL	27.2911 mL
5 mM	0.5458 mL	2.7291 mL	5.4582 mL
10 mM	0.2729 mL	1.3646 mL	2.7291 mL
50 mM	0.0546 mL	0.2729 mL	0.5458 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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