

DC 07090

Chemical Properties

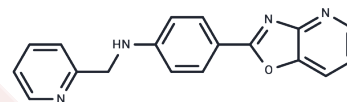
CAS No. : 879070-72-1

Formula: C₁₈H₁₄N₄O

Molecular Weight: 302.33

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	DC 07090 is a human enterovirus 71 3C protease inhibitor with antiviral activity for the study of nucleic acid virus infections.
Targets(IC50)	Antiviral,Virus Protease
In vitro	DC07090 exhibits micromolar potency against the EV71 3C protease (0.01-10 μ M) and demonstrates a high inhibitory effect on the replication of EV71 and CVA16 viruses, with EC50 values of 22.09 μ M and 27.76 μ M, respectively[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3076 mL	16.5382 mL	33.0764 mL
5 mM	0.6615 mL	3.3076 mL	6.6153 mL
10 mM	0.3308 mL	1.6538 mL	3.3076 mL
50 mM	0.0662 mL	0.3308 mL	0.6615 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.

Reference

Ma GH, et al. Identification and biochemical characterization of DC07090 as a novel potent small molecule inhibitor against human enterovirus 71 3C protease by structure-based virtual screening. Eur J Med Chem. 2016 Nov 29;124:981-991.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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