

MMP-7-IN-2

Chemical Properties

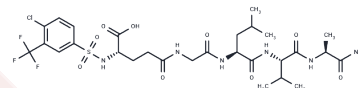
CAS No. : 2848717-49-5

Formula: C₂₈H₄₀ClF₃N₆O₉S

Molecular Weight: 729.17

Storage: Store at low temperature, Keep away from moisture
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	MMP-7-IN-2 acts as a selective and potent MMP7 inhibitor and can be used to study inflammatory responses and vascular-related diseases.
Targets(IC50)	MMP

Solubility Information

Solubility	DMSO: 80 mg/mL (109.71 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3714 mL	6.8571 mL	13.7142 mL
5 mM	0.2743 mL	1.3714 mL	2.7428 mL
10 mM	0.1371 mL	0.6857 mL	1.3714 mL
50 mM	0.0274 mL	0.1371 mL	0.2743 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

Hideaki Tabuse, et al. Discovery of Highly Potent and Selective Matrix Metalloproteinase-7 Inhibitors by Hybridizing the S1' Subsite Binder with Short Peptides. J Med Chem. 2022 Oct 13;65(19):13253-13263.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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