

M7594_0037

Chemical Properties

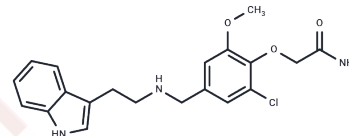
CAS No. : 774551-07-4

Formula: C₂₀H₂₂ClN₃O₃

Molecular Weight: 387.86

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	M7594_0037 is an inhibitor of Human peptide deformylase (HsPDF) and can be used in studies about anticancer.
Targets(IC50)	Others
In vitro	M7594_0037 exhibits potent anticancer activities against HeLa, A549 and MCF-7 cell lines with IC50s of 35.26, 29.63 and 24.63 μM, respectively[1].

Solubility Information

Solubility	DMSO: 50 mg/mL (128.91 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	2.5782 mL	12.8912 mL	25.7825 mL
5 mM	0.5156 mL	2.5782 mL	5.1565 mL
10 mM	0.2578 mL	1.2891 mL	2.5782 mL
50 mM	0.0516 mL	0.2578 mL	0.5156 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

Gao J, et al. Structure-Based Drug Design of Small Molecule Peptide Deformylase Inhibitors to Treat Cancer. Molecules. 2016 Mar 23;21(4):396.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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