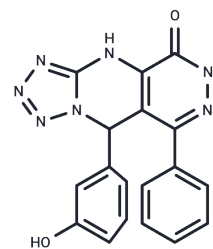


Pfn1-IN-C2

Chemical Properties

CAS No. : 919010-22-3
 Formula: C₁₈H₁₃N₇O₂
 Molecular Weight: 359.34
 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	Pfn1-IN-C2, an inhibitor of Profilin1 (Pfn1), has been shown to reduce the overall level of cellular filamentous (F)-actin, slow EC migration and proliferation, and inhibit the angiogenic ability of EC both in vitro and ex vivo.
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7829 mL	13.9144 mL	27.8288 mL
5 mM	0.5566 mL	2.7829 mL	5.5658 mL
10 mM	0.2783 mL	1.3914 mL	2.7829 mL
50 mM	0.0557 mL	0.2783 mL	0.5566 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

Gau D, Lewis T, Mcdermott L, Wipf P, Koes D, Roy P. Structure-based virtual screening identifies small molecule inhibitor of the profilin1-actin interaction. J Biol Chem. 2017 Dec 27. pii: jbc.M117.809137. doi: 10.1074/jbc.M117.809137. [Epub ahead of print] PubMed PMID: 29282288.

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