Data Sheet (Cat.No.T28392)

TargetMol

Pfn1-IN-C1

Chemical Properties

CAS No. : 919010-46-1

Formula: C19H15N7O2

Molecular Weight: 373.37

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-C1 is an inhibitor targeting Profilin-1 that disrupts its interaction with actin, thereby perturbing actin dynamics and cytoskeletal remodeling. By blocking the Pfn1-actin interaction, it exhibits anti-angiogenic behavior in endothelial cells and is commonly used in studies of cell migration and angiogenesis mechanisms.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (214.26 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6783 mL	13.3915 mL	26.7831 mL
5 mM	0.5357 mL	2.6783 mL	5.3566 mL
10 mM	0.2678 mL	1.3392 mL	2.6783 mL
50 mM	0.0536 mL	0.2678 mL	0.5357 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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