

HM90822

Chemical Properties

CAS No. : 1363145-46-3

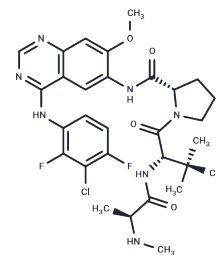
Formula: C30H36ClF2N7O4

Molecular Weight: 632.1

Keep away from moisture

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	HM90822 is a novel synthetic apoptotic protein (IAP) antagonist that induces apoptosis in human pancreatic cancer cells through proteasome-dependent degradation of IAPs containing the BIR2/3 structural domain. HM90822 inhibits the expression of XIAP and cIAP1/2 proteins in HM822-sensitive Panc-1 and BxPC-3 cells, induces ubiquitylation of IAPs and promotes induces IAP ubiquitination and promotes proteasome-dependent IAP degradation.
Targets(IC50)	Apoptosis, IAP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.582 mL	7.9101 mL	15.8203 mL
5 mM	0.3164 mL	1.582 mL	3.1641 mL
10 mM	0.1582 mL	0.791 mL	1.582 mL
50 mM	0.0316 mL	0.1582 mL	0.3164 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

Hong SW, et al. Chemosensitivity to HM90822, a novel synthetic IAP antagonist, is determined by p-AKT-inducible XIAP phosphorylation in human pancreatic cancer cells. Invest New Drugs. 2020 Dec;38(6):1696-1706.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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