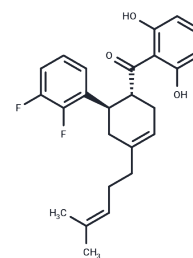


Nic-15

Chemical Properties

CAS No. :	2896739-91-4
Formula:	C ₂₅ H ₂₆ F ₂ O ₃
Molecular Weight:	412.47
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	Nic-15 (compound 4n) serves as an anti-constrictive agent targeting the low vascular characteristics of pancreatic tumors. These characteristics enable cancer cells to adapt to the nutrient-deficient tumor microenvironment and develop resistance to treatment. Nic-15 modulates the PI3K/Akt/mTOR pathway and alleviates ER stress induced by Gemcitabine. It significantly inhibits migration and colony formation in MIA PaCa-2 and PANC-1 pancreatic cancer cells. When used in combination with Gemcitabine, Nic-15 effectively addresses resistance issues in pancreatic tumors. In xenograft models in vivo, Nic-15 notably enhances the efficacy of Gemcitabine.
Targets(IC50)	Akt,mTOR,PI3K

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4244 mL	12.1221 mL	24.2442 mL
5 mM	0.4849 mL	2.4244 mL	4.8488 mL
10 mM	0.2424 mL	1.2122 mL	2.4244 mL
50 mM	0.0485 mL	0.2424 mL	0.4849 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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