

FOG-001

Chemical Properties

CAS No. : 3044032-95-0
 Formula: C102H134N18O25S2
 Molecular Weight: 2076.39
 Storage: Keep away from moisture
 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	FOG-001 is an efficient inhibitor of β -catenin, with an IC50 value lower than 50 nM. This compound can block the interaction between β -catenin and T-cell factor (TCF) transcription factors, thereby interfering with the related signaling pathways. FOG-001 can effectively inhibit cell proliferation and induce cell cycle arrest. In a mouse xenograft tumor model carrying COLO320DM colon cancer cells (with APC and TP53 mutations), FOG-001 exhibits significant anti-tumor activity. Therefore, FOG-001 is applicable to the research on the mechanism of colon cancer occurrence and treatment.
Targets(IC50)	Wnt/beta-catenin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4816 mL	2.408 mL	4.8161 mL
5 mM	0.0963 mL	0.4816 mL	0.9632 mL
10 mM	0.0482 mL	0.2408 mL	0.4816 mL
50 mM	0.0096 mL	0.0482 mL	0.0963 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481