

PI3K-IN-47

Chemical Properties

CAS No. :

Formula: C50H46F4N8O8S2

Molecular Weight: 1027.07

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	PI3K-IN-47 (Compound 27) is a potent bivalent inhibitor targeting the phosphoinositide 3-kinases (PI3K) family, with IC50 values of 0.44 nM for PI3K α , and 7.18 nM, 13.92 nM, and 22.83 nM for PI3K β , PI3K γ , and PI3K δ respectively. It induces G1 phase cell cycle arrest and exhibits anti-neoplastic properties by restraining colony formation and cell migration. Additionally, PI3K-IN-47 has demonstrated the ability to suppress tumor growth in HGC-27 xenograft mouse models [1].
Targets(IC50)	PI3K

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9736 mL	4.8682 mL	9.7364 mL
5 mM	0.1947 mL	0.9736 mL	1.9473 mL
10 mM	0.0974 mL	0.4868 mL	0.9736 mL
50 mM	0.0195 mL	0.0974 mL	0.1947 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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