

PI3K α /HDAC6-IN-1

Chemical Properties

CAS No. :

Formula: C27H30F3N7O6S2

Molecular Weight: 669.7

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 α /HDAC6-IN-1 (compound 21j) is a dual inhibitor of PI3K α and HDAC6, with IC50 values of 2.9 nM and 26 nM, respectively. It hinders AKT(Ser473) phosphorylation and promotes the accumulation of acetylated α -tubulin without affecting acetylated histones H3 and H4. The compound exhibits potent anti-cancer efficacy, inhibiting the L-363 cell line with an IC50 of 0.17 μ M [1].
Targets(IC50)	HDAC,PI3K

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4932 mL	7.466 mL	14.9321 mL
5 mM	0.2986 mL	1.4932 mL	2.9864 mL
10 mM	0.1493 mL	0.7466 mL	1.4932 mL
50 mM	0.0299 mL	0.1493 mL	0.2986 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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