

## PI3K/HDAC-IN-3

## Chemical Properties

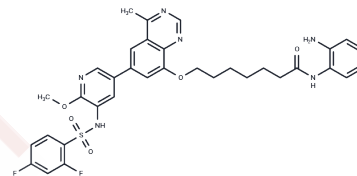
CAS No. : 3006905-22-9

Formula: C34H34F2N6O5S

Molecular Weight: 676.73

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/HDAC-IN-3 (36) acts as a dual inhibitor targeting PI3K and HDAC, exhibiting respective IC50 concentrations of 0.23 nM for PI3K $\alpha$ and 172 nM for HDAC1. In MV4-11 cells, it inhibits AKT phosphorylation while enhancing H3 acetylation. Furthermore, PI3K/HDAC-IN-3 (36) demonstrates substantial, dose-dependent anticancer effects in an MV4-11 xenograft model [1].
Targets(IC50)	HDAC,PI3K

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4777 mL	7.3885 mL	14.7769 mL
5 mM	0.2955 mL	1.4777 mL	2.9554 mL
10 mM	0.1478 mL	0.7388 mL	1.4777 mL
50 mM	0.0296 mL	0.1478 mL	0.2955 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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