

PI3K $\alpha$ -IN-12

## Chemical Properties

CAS No. :

Formula: C28H36F2N10O5S3

Molecular Weight: 726.84

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 $\alpha$ -IN-12 (compound 13), a potent and selective PI3K $\alpha$ inhibitor (IC50: 1.2 nM), effectively suppresses HCT-116 and U87-MG cell proliferation with IC50 values of 0.83 and 1.25 $\mu$ M, respectively. Intraperitoneal administration of PI3K $\alpha$ -IN-12 (40 mg/kg) induces tumor regression in a mouse xenograft model bearing U87-MG cells [1].
Targets(IC50)	PI3K

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3758 mL	6.8791 mL	13.7582 mL
5 mM	0.2752 mL	1.3758 mL	2.7516 mL
10 mM	0.1376 mL	0.6879 mL	1.3758 mL
50 mM	0.0275 mL	0.1376 mL	0.2752 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286

E\_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481