

PI3K/VEGFR2-IN-1

Chemical Properties

CAS No. :	2851067-08-6
Formula:	C ₁₇ H ₁₄ ClN ₃ O ₅
Molecular Weight:	343.83
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	PI3K/VEGFR2-IN-1 is a potent dual inhibitor targeting PI3K (IC ₅₀ : 2.21 μM) and VEGFR2 (IC ₅₀ : 68 μM), which induces apoptosis and is utilized in cancer research [1].
Targets(IC ₅₀)	Apoptosis,PI3K,VEGFR
In vitro	PI3K/VEGFR2-IN-1 (compound 8; 1.56-100 μM; 24 h; HePG2, MCF-7, Hela, and PC3 cells) dose-dependently inhibits proliferation and, at 10 mg/mL for 24 hours, induces G1/S phase cell cycle arrest and apoptosis in MCF-7 and Hela cells [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9084 mL	14.5421 mL	29.0841 mL
5 mM	0.5817 mL	2.9084 mL	5.8168 mL
10 mM	0.2908 mL	1.4542 mL	2.9084 mL
50 mM	0.0582 mL	0.2908 mL	0.5817 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