

VEGFR-2/AKT-IN-2

Chemical Properties

CAS No. :

Formula: C₂₅H₁₆FN₅S

Molecular Weight: 437.49

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	VEGFR-2/AKT-IN-2 (Compound 5) is an inhibitor of VEGFR-2/AKT, with an IC ₅₀ of 0.061 μ M for VEGFR in human liver cancer cells. It reduces total and phosphorylated AKT in cells, increases BAX and caspase-3 levels, and decreases Bcl-2, thereby inducing apoptosis. Additionally, VEGFR-2/AKT-IN-2 halts the cell cycle at the S phase and inhibits the growth of human liver cancer cells.
Targets(IC ₅₀)	Apoptosis,Bcl-2 Family,Akt,Caspase,VEGFR
In vitro	VEGFR-2/AKT-IN-2 demonstrates VEGFR2 inhibitory activity similar to Sorafenib, with an IC ₅₀ of 0.061 μ M.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2858 mL	11.4288 mL	22.8577 mL
5 mM	0.4572 mL	2.2858 mL	4.5715 mL
10 mM	0.2286 mL	1.1429 mL	2.2858 mL
50 mM	0.0457 mL	0.2286 mL	0.4572 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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