

VEGFR-2-IN-62

Chemical Properties

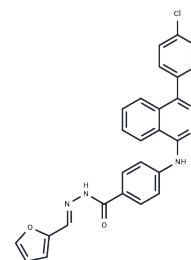
CAS No. :

Formula: C₂₆H₁₈ClN₅O₂

Molecular Weight: 467.906

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-IN-62 (Compound 3f) is a potent inhibitor of VEGFR-2, with an IC ₅₀ value of 0.0557 μM. It inhibits cell proliferation and induces apoptosis (Apoptosis), making it useful for cancer research.
Targets(IC ₅₀)	Apoptosis,Bcl-2 Family,VEGFR
In vitro	VEGFR-2-IN-62 (Compound 3f) at 0.08 μM for 24 hours induces apoptosis in MCF-7 cells, significantly increasing Bax levels while decreasing Bcl2 levels, thereby greatly enhancing the Bax/Bcl2 ratio [1]. It exhibits antiproliferative activity against HepG2, MCF-7, and VERO human tumor cell lines with IC ₅₀ values of 0.17, 0.08, and 1.98 μM, respectively [1]. Additionally, VEGFR-2-IN-62 at 2.3 μM for 24 hours causes cell cycle arrest at the G2-M phase in MCF-7 cells [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1372 mL	10.6858 mL	21.3716 mL
5 mM	0.4274 mL	2.1372 mL	4.2743 mL
10 mM	0.2137 mL	1.0686 mL	2.1372 mL
50 mM	0.0427 mL	0.2137 mL	0.4274 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

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