

VEGFR-2-IN-36

Chemical Properties

CAS No. :

Formula: C₂₄H₂₃N₇O₅

Molecular Weight: 489.48

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-36 (compound 15) is a potent VEGFR-2 inhibitor with an IC ₅₀ value of 0.067 μM and acts as an apoptosis inducer with demonstrated anticancer efficacy, modulating apoptotic pathways by upregulating BAX and downregulating Bcl-2, leading to cytotoxic effects on cancer cell lines, including MCF-7 (IC ₅₀ = 0.42 μM) and HepG2 (IC ₅₀ = 0.22 μM) [1].
Targets(IC ₅₀)	Apoptosis,Bcl-2 Family,VEGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.043 mL	10.2149 mL	20.4298 mL
5 mM	0.4086 mL	2.043 mL	4.086 mL
10 mM	0.2043 mL	1.0215 mL	2.043 mL
50 mM	0.0409 mL	0.2043 mL	0.4086 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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