

VGB3

Chemical Properties

CAS No. :

Formula: C67H101N19O21S2

Molecular Weight: 1572.76

Keep away from moisture

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	VGB3 is a peptide antagonist of vascular endothelial growth factor receptor 1 (VEGFR1) and VEGFR2, exhibiting anti-angiogenic and anti-tumor properties. It binds to VEGFR1 and VEGFR2, thereby inhibiting VEGF-driven endothelial cell proliferation, migration, and tube formation, as well as suppressing tumor growth and metastasis in a mouse 4T1 breast cancer model.
Targets(IC50)	Apoptosis,ERK,Akt,mTOR,PI3K,VEGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6358 mL	3.1791 mL	6.3582 mL
5 mM	0.1272 mL	0.6358 mL	1.2716 mL
10 mM	0.0636 mL	0.3179 mL	0.6358 mL
50 mM	0.0127 mL	0.0636 mL	0.1272 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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