

HSDVHK-NH2

Chemical Properties

CAS No. : 848644-86-0

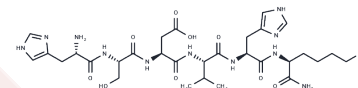
Formula: C30H48N12O9

Molecular Weight: 720.78

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	Potent antagonist of the integrin $\alpha\beta 3$ -vitronectin interaction (IC50 = 25.72 nM). Blocks proliferation and induces apoptosis in HUVECs; antiangiogenic.
Targets(IC50)	Integrin

Solubility Information

Solubility	H2O: 2 mg/mL (2.77 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3874 mL	6.9369 mL	13.8739 mL
5 mM	0.2775 mL	1.3874 mL	2.7748 mL
10 mM	0.1387 mL	0.6937 mL	1.3874 mL
50 mM	0.0277 mL	0.1387 mL	0.2775 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.

Reference

Lee et al (2004) High-throughput screening of novel peptide inhibitors of an integrin receptor from the hexapeptide library by using a protein microarray chip. J.Biomol.Screen. 9 687 PMID:

Choi et al (2010) Site-specific inhibition of integrin alpha v beta 3-vitronectin association by a ser-asp-val sequence through an Arg-Gly-Asp-binding site of the integrin. Proteomics 10 72 PMID:

Bang et al (2011) Pharmacoproteomic analysis of a novel cell-permeable inhibitor of tumor-induced angiogenesis. Mol.Cell Proteomics 10 M110 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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