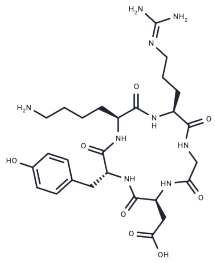
Data Sheet (Cat.No.T8726)

TargetMol

Cyclo(RGDyK)

Chemical Properties



CAS No. : 217099-14-4

Formula: C27H41N9O8

Molecular Weight: 619.68

Storage: Keep away from moisture
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	Cyclo(RGDyK) is a potent and selective αVβ3 integrin inhibitor with an IC50 of 20 nM.
Targets(IC50)	Integrin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6137 mL	8.0687 mL	16.1374 mL
5 mM	0.3227 mL	1.6137 mL	3.2275 mL
10 mM	0.1614 mL	0.8069 mL	1.6137 mL
50 mM	0.0323 mL	0.1614 mL	0.3227 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

Haubner R, et al. Glycosylated RGD-containing peptides: tracer for tumor targeting and angiogenesis imaging with improved biokinetics. J Nucl Med. 2001 Feb;42(2):326-36.
Yu S, Du Y, Niu X, et al.Arginine-modified black phosphorus quantum dots with dual excited states for enhanced electrochemiluminescence in bioanalysis.Nature Communications.2022, 13(1): 1-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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