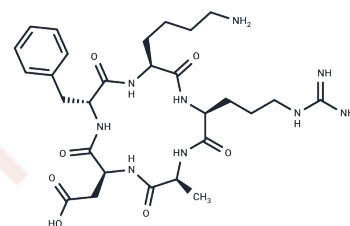


Cyclo(RADfK)

Chemical Properties

CAS No. :	756500-23-9
Formula:	C ₂₈ H ₄₃ N ₉ O ₇
Molecular Weight:	617.7
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Cyclo(RADfK) is a selective $\alpha(v)\beta(3)$ integrin ligand extensively used for research, therapy, and diagnosis of neoangiogenesis. It also serves as a negative control for cyclo(-RGDfK-), the RGD peptide, which modulates cell adhesion and is recognized by several integrin family members.
Targets(IC50)	Integrin
In vitro	Cyclo(RADfK) serves as a negative control for the RGD peptide, cyclo(-RGDfK-), and acts as a modulator of cell adhesion recognized by various integrin family members[1].

Solubility Information

Solubility	DMSO: 10 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	1.6189 mL	8.0945 mL	16.1891 mL
5 mM	0.3238 mL	1.6189 mL	3.2378 mL
10 mM	0.1619 mL	0.8095 mL	1.6189 mL
50 mM	0.0324 mL	0.1619 mL	0.3238 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

Srivatsan A, et al. Conjugation of cRGD peptide to chlorophyll a based photosensitizer (HPPH) alters its pharmacokinetics with enhanced tumor-imaging and photosensitizing (PDT) efficacy. Mol Pharm. 2011 Aug 1;8(4): 1186-1197.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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