

GRGDSPK

Chemical Properties

CAS No. : 111119-28-9

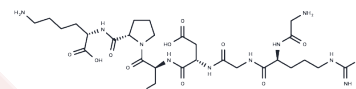
Formula: C28H49N11O11

Molecular Weight: 715.76

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	GRGDSPK (EMD 56574) is an inhibitory peptide for RGD-mediated adhesion between integrin and extracellular matrix molecules.
Targets(IC50)	Others,Integrin

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	1.3971 mL	6.9856 mL	13.9712 mL
5 mM	0.2794 mL	1.3971 mL	2.7942 mL
10 mM	0.1397 mL	0.6986 mL	1.3971 mL
50 mM	0.0279 mL	0.1397 mL	0.2794 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

- Sessions B R , Aston K I , Davis A P , et al. Effects of amino acid substitutions in and around the arginine-glycine-aspartic acid (RGD) sequence on fertilization and parthenogenetic development in mature bovine oocytes[J]. *Molecular Reproduction and Development*, 2006, 73(5):651-657.
- Hatakeyama J , Hatakeyama Y , Takahashi I , et al. Proliferation and adhesion of periodontal ligament cells on synthetic biominerals[J]. *International Congress Series*, 2005, 1284:328-329.
- Hatakeyama J, et al. Proliferation and adhesion of periodontal ligament cells on synthetic biominerals. *Oral Dis*. 2007 Sep;13(5):500-6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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