

Fibronectin Adhesion-promoting Peptide acetate

Chemical Properties

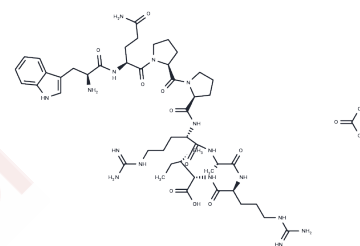
CAS No. :

Formula: C49H78N16O12

Molecular Weight: 1083.25

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	Fibronectin Adhesion-promoting Peptide acetate (Heparin Binding Peptide acetate) is one of the heparin-binding amino acid sequences found in the carboxy-terminal heparin-binding domain of fibronectin.
Targets(IC50)	Others
In vitro	GRGDS and Fibronectin Adhesion-promoting Peptide (Heparin Binding Peptide: WQPPRARI) micropatterns increase the endothelialisation of prosthetic materials in vitro. Fibronectin Adhesion-promoting Peptide also enhances haptotactic cell migration. The anti-apoptotic effects of fibronectin require the presence of the WQPPRARI sequence, which may be due to synergistic survival signals mediated by this sequence and by the RGD motif[1]. RDGS and Fibronectin Adhesion-promoting Peptide promote cell adhesion through different activation pathways that induce different forms of adhesion which can be highlighted through the analysis of focal and fibrillar contacts[2].

Solubility Information

Solubility	DMSO: 10 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9231 mL	4.6157 mL	9.2315 mL
5 mM	0.1846 mL	0.9231 mL	1.8463 mL
10 mM	0.0923 mL	0.4616 mL	0.9231 mL
50 mM	0.0185 mL	0.0923 mL	0.1846 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

Hoesli CA, et al. A fluorophore-tagged RGD peptide to control endothelial cell adhesion to micropatterned surfaces. *Biomaterials*. 2014 Jan;35(3):879-90.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481