

Product Name : Fibronectin Adhesion-promoting Peptide

Synonyms : Heparin Binding Peptide

Cat No. : M29852

CAS Number : 125720-21-0

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Molecular Formula : C47H74N16O10

Formula Weight : 1023.2

Chemical Name :

Fibronectin Adhesion-promoting Peptide (Heparin Binding Peptide) is one of the heparin-binding amino acid sequences found in the carboxy-terminal heparin-binding domain of fibronectin. (In Vitro): GRGDS and Fibronectin Adhesion-promoting Peptide (Heparin Binding Peptide: WQPPRARI) micropatterns increase the endothelialisation of prosthetic materials in vitro.

Description : 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. 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.

Pathway : Others

Target : Other Targets

Receptor : —

Solubility : H₂O : 2 mg/mL (1.95 mM; Need ultrasonic and warming)

SMILES : —

Storage : (-20°C)

Stability : ≥ 2 years

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.