

Product Name	: Fibronectin Adhesion-promoting Peptide
Synonyms	: Heparin Binding Peptide
Cat No.	: M29852
CAS Number	: 125720-21-0
Molecular Formula	: C47H74N16O10
Formula Weight	: 1023.2
Chemical Name	:
Description	<p>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: WQPPRARL) 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 WQPPRARL 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.</p>
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.