Integrin Binding Peptide

Cat. No.: HY-P2532

CAS No.: 278792-07-7

Molecular Formula: $C_{42}H_{63}N_{15}O_{16}S$

Molecular Weight: 1066.11

Sequence Shortening: Ac-GCGYGRGDSPG-NH2

Target: Integrin

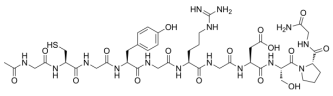
Pathway: Cytoskeleton

Storage: Sealed storage, away from moisture

Powder -80°C 2 years

-20°C 1 year

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H_2O : ≥ 100 mg/mL (93.80 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	0.9380 mL	4.6899 mL	9.3799 mL
5 mM	0.1876 mL	0.9380 mL	1.8760 mL
10 mM	0.0938 mL	0.4690 mL	0.9380 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Integrin Binding Peptide is derived by fibronectin. Integrin Binding Peptide can be used for PEG hydrogel preparation[1][2].

REFERENCES

[1]. Raeber GP, et, al. Molecularly engineered PEG hydrogels: a novel model system for proteolytically mediated cell migration. Biophys J. 2005 Aug; 89(2): 1374-88.

[2]. Kraehenbuehl TP, et, al. Three-dimensional extracellular matrix-directed cardioprogenitor differentiation: systematic modulation of a synthetic cell-responsive PEG-hydrogel. Biomaterials. 2008 Jun;29(18):2757-66.

Caution: Product has not been fully validated for medical applications. For research use only.

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