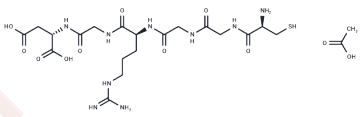
Data Sheet (Cat.No.TP1696L)

TargetMol

CGGRGD acetate(1260223-44-6 free base)

Chemical Properties



CAS No. :

Formula: C21H37N9O11S

Molecular Weight: 623.65

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	CGGRGD acetate is a RGD derivative with cysteine as the n-terminal. CGGRGD was synthesized by solid phase peptide synthesis technology, and amino2-cyanobenzothiazole (2-cyanobenzothiazole) (2-cyanobenzothiazole (CBT) was added on the surface of PCL fiber for ammoniation.
Targets(IC50)	Others
In vitro	CGGRGD is a characteristic sequence of fifibronectin that binds to the receptors on cell surface (PCL) is a popular materials for tissue engineering due to its optimal biocompatibility, biodegradability, and thermoplastic characteristics[1].

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	1.6035 mL	8.0173 mL	16.0346 mL
5 mM	0.3207 mL	1.6035 mL	3.2069 mL
10 mM	0.1603 mL	0.8017 mL	1.6035 mL
50 mM	0.0321 mL	0.1603 mL	0.3207 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

Wenting Zhen, et al.Functionalization of PCL fibrous membrane with RGD peptide

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