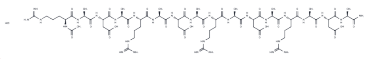
Data Sheet (Cat.No.T39531)

TargetMol

RAD16-I hydrochloride

Chemical Properties



CAS No. : 2100275-49-6

Formula: C66H114ClN29O25

Molecular Weight: 1749.27

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	RAD16-I hydrochloride is a self-assembling peptide with nanofibrous morphology that provides an optimal microenvironment for the proliferation and differentiation of human mesenchymal stem cells (hMSC) into chondrocytes. This peptide, known as RAD16-I, has been extensively studied and serves as a model to assess the amyloid-like staining properties of self-assembling peptide nanofibers (SAPNFs).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5717 mL	2.8583 mL	5.7167 mL
5 mM	0.1143 mL	0.5717 mL	1.1433 mL
10 mM	0.0572 mL	0.2858 mL	0.5717 mL
50 mM	0.0114 mL	0.0572 mL	0.1143 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

Gerard Rubí-Sans, et al. Development of a Three-Dimensional Bioengineered Platform for Articular Cartilage Regeneration. Biomolecules. 2019 Dec 28;10(1):52.
Yongzhu Chen, et al. Amyloid-like staining property of RADA16-I nanofibers and its potential application in detecting and imaging the nanomaterial. Int J Nanomedicine. 2018 Apr 23;13:2477-2489.

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