

## Parstatin(human)

## Chemical Properties

CAS No. : 1065755-99-8

Formula: C191H330N64O53S3

Molecular Weight: 4467.29

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

MGPRRLLLVAAACFSLCGPLLSARTRARRRPESKATNATLDPR

## Biological Description

Description	Cell-permeable peptide cleaved from protease-activated receptor 1 (PAR1) upon receptor activation. Attenuates endothelial cell migration and proliferation (IC50 ~ 3 $\mu$ M), and induces cell cycle arrest. Promotes activation of caspase-3 and exhibits pro-apoptotic activity in vitro. Inhibits angiogenesis and exhibits cardioprotective activity in vivo.
Targets(IC50)	Protease-activated Receptor

## Solubility Information

Solubility	H2O: 1 mg/mL (0.22 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2238 mL	1.1192 mL	2.2385 mL
5 mM	0.0448 mL	0.2238 mL	0.4477 mL
10 mM	0.0224 mL	0.1119 mL	0.2238 mL
50 mM	0.0045 mL	0.0224 mL	0.0448 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

Zania et al (2009) Parstatin, the cleaved peptide on proteinase-activated receptor 1 activation, is a potent inhibitor of activation. J.Pharmacol.Exp.Ther. 328 378 PMID:

Strande et al (2009) Parstatin: a cryptic peptide involved in cardioprotection after ischaemic and reperfusion injury. Cardiovasc.Res. 83 325 PMID:

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