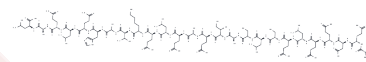


Serpinin

Chemical Properties

CAS No. :	1383743-23-4
Formula:	C125H204N32O46
Molecular Weight:	2891.14
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Serpinin, an agonist of the protease inhibitor Nexin-1 (PN-1), upregulates PN-1 expression via the cAMP-PKA-Sp1 signaling pathway, facilitating granule biogenesis in endocrine cells. It is employed in research on secretory function regulation [1]. Serpinin selectively targets β -adrenergic receptors, particularly interacting with β 1-adrenergic receptors to activate the AC-cAMP-PKA pathway, thereby regulating myocardial systolic and diastolic function. Additionally, pGlu-serpinin upregulates Bcl2 mRNA transcription and provides neuroprotective effects [2].
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3459 mL	1.7294 mL	3.4588 mL
5 mM	0.0692 mL	0.3459 mL	0.6918 mL
10 mM	0.0346 mL	0.1729 mL	0.3459 mL
50 mM	0.0069 mL	0.0346 mL	0.0692 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481