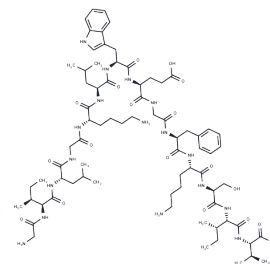


Pantinin-1

Chemical Properties

CAS No. :	2383114-96-1
Formula:	C75H119N17O18
Molecular Weight:	1546.85
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	Pantinin-1 is an antimicrobial peptide found in the venom of the emperor scorpion (Pandinus imperator). This compound exhibits strong antibacterial activity against Gram-positive bacteria and fungi, but has weaker effects on Gram-negative bacteria. Additionally, Pantinin-1 demonstrates very low hemolytic activity on human red blood cells and possesses anticancer properties, specifically inducing apoptosis in tumor cells.
Targets(IC50)	Apoptosis, Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6465 mL	3.2324 mL	6.4648 mL
5 mM	0.1293 mL	0.6465 mL	1.293 mL
10 mM	0.0646 mL	0.3232 mL	0.6465 mL
50 mM	0.0129 mL	0.0646 mL	0.1293 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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