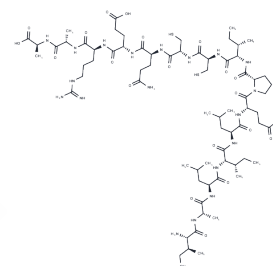


PIC1 PA

Chemical Properties

CAS No. : 1356469-36-7
 Formula: C71H123N19O21S2
 Molecular Weight: 1642.98
 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	PIC1 PA, a peptide consisting of 15 amino acids, serves as an effective analog of PIC1 that inhibits complement activation mediated by the classical pathway. Functionally, PIC1 PA interferes with the interaction between the C1s-C1r-C1r-C1s/MASPs and the collagen-like region (CLR) of C1q/MBL. It specifically binds to the CLR of C1q, with an average equilibrium dissociation constant (KD) of 33.3 nM when binding purified C1q.
Targets(IC50)	Complement System

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6087 mL	3.0433 mL	6.0865 mL
5 mM	0.1217 mL	0.6087 mL	1.2173 mL
10 mM	0.0609 mL	0.3043 mL	0.6087 mL
50 mM	0.0122 mL	0.0609 mL	0.1217 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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