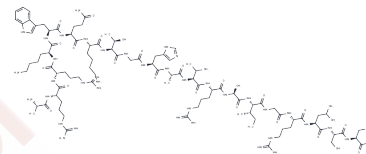


smMLCK peptide

Chemical Properties

CAS No. :	172960-20-2
Formula:	C98H168N38O25
Molecular Weight:	2278.62
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	The smMLCK peptide is a specific inhibitor of smooth muscle myosin light chain kinase (smMLCK). It functions by mimicking the substrate and competitively inhibiting the binding of the natural substrate to the enzyme, thereby reducing kinase activity. This inhibition prevents the phosphorylation of the myosin light chain, which subsequently impedes muscle contraction.
Targets(IC50)	Myosin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4389 mL	2.1943 mL	4.3886 mL
5 mM	0.0878 mL	0.4389 mL	0.8777 mL
10 mM	0.0439 mL	0.2194 mL	0.4389 mL
50 mM	0.0088 mL	0.0439 mL	0.0878 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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