

AC3-I, myristoylated

Chemical Properties

CAS No. :

Formula: C78H137N21O20

Molecular Weight: 1689.05

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.

Biological Description

Description	Myristoylated AC3-I is a biologically active peptide and a myristoylated variant of the Autocamtide-3-Derived Inhibitory Peptide (AC3-I). It acts as a highly specific inhibitor of Calmodulin-Dependent Protein Kinase II (CaMKII) with enhanced resistance to proteolysis. This compound is a derivative of Autocamtide-3, where the Thr-9 phosphorylation site is replaced by Ala.
Targets(IC50)	CaMK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.592 mL	2.9602 mL	5.9205 mL
5 mM	0.1184 mL	0.592 mL	1.1841 mL
10 mM	0.0592 mL	0.296 mL	0.592 mL
50 mM	0.0118 mL	0.0592 mL	0.1184 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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