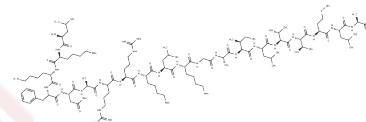


Calmodulin-Dependent Protein Kinase II (290-309)

Chemical Properties

CAS No. :	115044-69-4
Formula:	C103H185N31O24S
Molecular Weight:	2273.83
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	Calmodulin-Dependent Protein Kinase II (290-309) is a potent CaMK antagonist with an IC50 of 52 nM for inhibiting Ca ²⁺ /calmodulin-dependent protein kinase II.
Targets(IC50)	CaMK, Autophagy

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4398 mL	2.1989 mL	4.3979 mL
5 mM	0.088 mL	0.4398 mL	0.8796 mL
10 mM	0.044 mL	0.2199 mL	0.4398 mL
50 mM	0.0088 mL	0.044 mL	0.088 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.

Reference

Payne ME, et al. Calcium/calmodulin-dependent protein kinase II. Characterization of distinct calmodulin binding and inhibitory domains. J Biol Chem. 1988 May 25;263(15):7190-5.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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