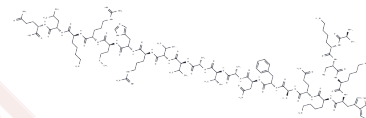


## CaMKI(299-320)

## Chemical Properties

CAS No. :	205598-38-5
Formula:	C116H192N38O28S
Molecular Weight:	2599.07
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	CaMKI (299-320) is a peptide representing residues 299-320 of Calcium/calmodulin-dependent protein kinase I (CaMKI). This segment, functioning as a protein kinase, exhibits a strong interaction with Ca <sup>2+</sup> -CAM (K <sub>d</sub> ≤ 1 nM), enabling it to phosphorylate specific substrate proteins and regulate their activity. It encompasses both the CAM-binding domain and the self-inhibition domain. CaMKI (299-320) is applicable for researching cellular physiological processes such as proliferation, differentiation, and apoptosis.
Targets(IC50)	CaMK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3848 mL	1.9238 mL	3.8475 mL
5 mM	0.077 mL	0.3848 mL	0.7695 mL
10 mM	0.0385 mL	0.1924 mL	0.3848 mL
50 mM	0.0077 mL	0.0385 mL	0.077 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

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