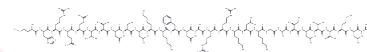


## Calmodulin-Dependent Protein Kinase II (281-309)

## Chemical Properties

CAS No. :	116826-37-0
Formula:	C146H254N46O39S3
Molecular Weight:	3374.06
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 (281-309) is a synthetic peptide phosphorylatable at Thr286 by PKC, inhibiting CaM kinase II with an IC50 of 80 nM.
Targets(IC50)	CaMK

## Solubility Information

Solubility	H2O: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2964 mL	1.4819 mL	2.9638 mL
5 mM	0.0593 mL	0.2964 mL	0.5928 mL
10 mM	0.0296 mL	0.1482 mL	0.2964 mL
50 mM	0.0059 mL	0.0296 mL	0.0593 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

Chae YJ, et al. Block of Kv4.3 potassium channel by trifluoperazine independent of CaMKII. *Neurosci Lett.* 2014 Aug 22;578:159-64.

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