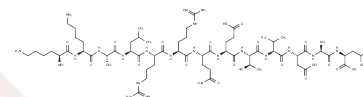


## Autocamtide 2

## Chemical Properties

CAS No. :	129198-88-5
Formula:	C <sub>65</sub> H <sub>118</sub> N <sub>22</sub> O <sub>20</sub>
Molecular Weight:	1527.77
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	Autocamtide-2 is a highly selective peptide substrate for calcium/calmodulin-dependent protein kinase II (CaMKII), which belongs to the CAMK Ser/Thr protein kinase family.
Targets(IC50)	CaMK, Autophagy

## Solubility Information

Solubility	H <sub>2</sub> O: 20 mg/mL (13.09 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6545 mL	3.2727 mL	6.5455 mL
5 mM	0.1309 mL	0.6545 mL	1.3091 mL
10 mM	0.0655 mL	0.3273 mL	0.6545 mL
50 mM	0.0131 mL	0.0655 mL	0.1309 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

Wang YY, et al. The emerging role of CaMKII in cancer. *Oncotarget*. 2015 May 20;6(14):11725-34.

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