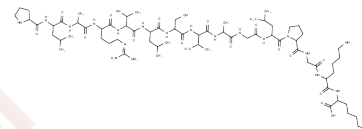


Syntide 2

Chemical Properties

CAS No. :	108334-68-5
Formula:	C ₆₈ H ₁₂₂ N ₂₀ O ₁₈
Molecular Weight:	1507.82
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	Syntide-2 is a synthetic peptide recognized as a substrate by Ca ²⁺ /calmodulin-dependent protein kinase II (CaMKII; K _m = 12 μM).
Targets(IC50)	CaMK, Autophagy

Solubility Information

Solubility	H ₂ O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6632 mL	3.316 mL	6.6321 mL
5 mM	0.1326 mL	0.6632 mL	1.3264 mL
10 mM	0.0663 mL	0.3316 mL	0.6632 mL
50 mM	0.0133 mL	0.0663 mL	0.1326 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

Ritchie S, et al. Calcium-Dependent Protein Phosphorylation May Mediate the Gibberellic Acid Response in Barley Aleurone. *Plant Physiol.* 1998 Feb 1;116(2):765-76.

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