

Syntide 2

Chemical Properties

CAS No.:	108334-68-5
Formula:	C ₆₈ H ₁₂₂ N ₂₀ O ₁₈
Molecular Weight:	1507.82
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

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).
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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	0.663 mL	3.316 mL	6.632 mL
5 mM	0.133 mL	0.663 mL	1.326 mL
10 mM	0.066 mL	0.332 mL	0.663 mL
50 mM	0.013 mL	0.066 mL	0.133 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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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