

Syntide 2 acetate(108334-68-5 free base)

Chemical Properties

CAS No. :

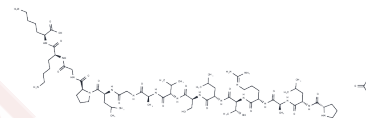
Formula: C70H126N20O20

Molecular Weight: 1567.85

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Syntide-2 acetate is a synthetic peptide recognized as a substrate by Ca ²⁺ /calmodulin-dependent protein kinase II (CaMKII; Km = 12 μM).
Targets(IC50)	CaMK

Solubility Information

Solubility	DMSO: Insoluble, H2O: 10 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	0.6378 mL	3.1891 mL	6.3782 mL
5 mM	0.1276 mL	0.6378 mL	1.2756 mL
10 mM	0.0638 mL	0.3189 mL	0.6378 mL
50 mM	0.0128 mL	0.0638 mL	0.1276 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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