

Autocamide-2-related inhibitory peptide, myristoylated acetate(201422-04-0 free base)

Chemical Properties

CAS No. :

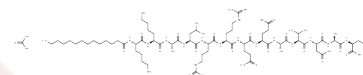
Formula: C₈₀H₁₄₆N₂O₂₂

Molecular Weight: 1768.15

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	Autocamide-2-related inhibitory peptide, myristoylated acetate is a CaM kinase II inhibitor; enhanced cell permeable derivative of Autocamide-2-related inhibitory peptide.
Targets(IC50)	CaMK, Autophagy

Solubility Information

Solubility	H ₂ O: 10 mM, Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5656 mL	2.8278 mL	5.6556 mL
5 mM	0.1131 mL	0.5656 mL	1.1311 mL
10 mM	0.0566 mL	0.2828 mL	0.5656 mL
50 mM	0.0113 mL	0.0566 mL	0.1131 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

Laabich et al (2000) Neuroprotective effect of AIP on N-methyl-D-aspartate-induced cell death in retinal neurons.

Brain Res.Mol.Brain Res. 85 32 PMID:

Ishida et al (1995) A novel highly specific and potent inhibitor of calmodulin-dependent protein kinase II. Biochem.

Biophys.Res.Commun. 212 806 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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