

MLCK inhibitor peptide 18 acetate

Chemical Properties

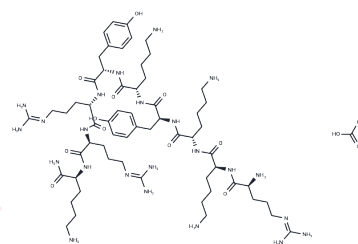
CAS No. :

Formula: C62H109N23O13

Molecular Weight: 1384.67

Appearance: no data available

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



Biological Description

Description	MLCK inhibitor peptide 18 acetate is a selective competitive inhibitor of myosin light chain kinase (IC ₅₀ = 50 nM). Displays 4000-fold selectivity over CaM kinase II and does not inhibit PKA. Cell permeable.
Targets(IC ₅₀)	Serine/threonin kinase

Solubility Information

Solubility	H ₂ O: 5 mM, 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	0.7222 mL	3.611 mL	7.2219 mL
5 mM	0.1444 mL	0.7222 mL	1.4444 mL
10 mM	0.0722 mL	0.3611 mL	0.7222 mL
50 mM	0.0144 mL	0.0722 mL	0.1444 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.

Reference

Chen X, Shen Y, Song Z, et al. microRNA-2184 orchestrates Mauthner-cell axon regeneration in zebrafish via syt3 modulation. Journal of Genetics and Genomics. 2024

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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