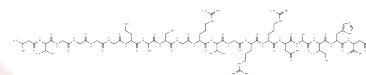


PKI(5-24)

Chemical Properties

CAS No. : 99534-03-9
 Formula: C76H129N31O28
 Molecular Weight: 1925.057
 Storage: Keep away from moisture
 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	High affinity PKA inhibitor (Ki = 2.3 nM).
Targets(IC50)	PKA

Solubility Information

Solubility	H2O: 1 mg/mL (0.52 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	0.5195 mL	2.5973 mL	5.1946 mL
5 mM	0.1039 mL	0.5195 mL	1.0389 mL
10 mM	0.0519 mL	0.2597 mL	0.5195 mL
50 mM	0.0104 mL	0.0519 mL	0.1039 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

- Cheng et al (1986) A potent synthetic peptide inhibitor of the cAMP-dependent protein kinase. J.Biol.Chem. 261 989
 PMID:
 Narayana et al (1997) Crystal structure of a polyhistidine-tagged recombinant catalytic subunit of cAMP-dependent protein kinase complexed with the peptide inhibitor PKI(5-24) and adenosine. Biochemistry 36 4438
 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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