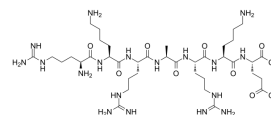


PKG inhibitor peptide

Chemical Properties

CAS No. :	82801-73-8
Formula:	C38H74N18O10
Molecular Weight:	943.12
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	Competitive inhibitor of cGMP-dependent protein kinase (PKG); analog of a substrate peptide corresponding to a phosphorylation site of histone H2B. Competes with synthetic substrates ($K_i = 86 \text{ mM}$) but does not inhibit phosphorylation of intact histones by PKG. Inhibits phosphorylation of intact histones by PKA.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0603 mL	5.3016 mL	10.6031 mL
5 mM	0.2121 mL	1.0603 mL	2.1206 mL
10 mM	0.106 mL	0.5302 mL	1.0603 mL
50 mM	0.0212 mL	0.106 mL	0.2121 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

Bhatnagar et al (1988) Synthetic peptide analogues differentially alter the binding affinities of cyclic nucleotide dependent protein kinases for nucleotide substrates. Biochemistry 27 1988 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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