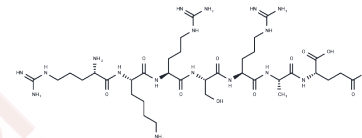


PKG Substrate

Chemical Properties

CAS No. :	81187-14-6
Formula:	C35H67N17O11
Molecular Weight:	902.01
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	PKG Substrate is a selective substrate for cGMP-dependent protein kinase (PKG), showing a strong preference for PKG I α (K _m = 59 μ M) over PKG II (K _m = 305 μ M).
Targets(IC50)	PKA

Solubility Information

Solubility	H ₂ O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1086 mL	5.5432 mL	11.0864 mL
5 mM	0.2217 mL	1.1086 mL	2.2173 mL
10 mM	0.1109 mL	0.5543 mL	1.1086 mL
50 mM	0.0222 mL	0.1109 mL	0.2217 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

Wong A, et al. Cyclic GMP-dependent stimulation of serotonin transport does not involve direct transporter phosphorylation by cGMP-dependent protein kinase. J Biol Chem. 2012 Oct 19;287(43):36051-8.

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