

[pThr3]-CDK5 Substrate

Chemical Properties

CAS No. : 1670273-47-8

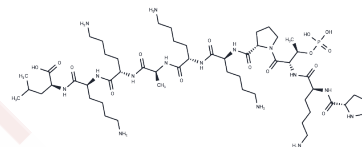
Formula: C53H100N15O15P

Molecular Weight: 1218.43

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	[pThr3]-CDK5 Substrate is an effective phospho-Thr3 CDK5 substrate that is phosphorylated by CDK5 with a Km value of 6 μ M [1].
Targets(IC50)	CDK

Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8207 mL	4.1036 mL	8.2073 mL
5 mM	0.1641 mL	0.8207 mL	1.6415 mL
10 mM	0.0821 mL	0.4104 mL	0.8207 mL
50 mM	0.0164 mL	0.0821 mL	0.1641 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

Beaudette KN, et al. Substrate specificity characterization of a cdc2-like protein kinase purified from bovine brain. J Biol Chem. 1993 Oct 5;268(28):20825-30.

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