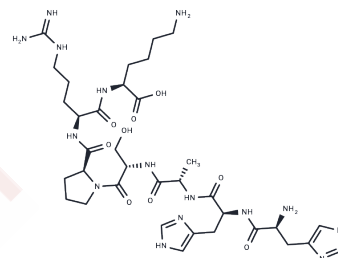


CDK2

Chemical Properties

CAS No. : 255064-79-0
 Formula: C₃₅H₅₇N₁₅O₉
 Molecular Weight: 831.92
 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	CDK2, a eukaryotic S/T protein kinase family member, catalyzes the phosphoryl transfer from ATP γ -phosphate to the hydroxyl of serine or threonine (denoted as S0/T0) in a protein substrate.
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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	1.202 mL	6.0102 mL	12.0204 mL
5 mM	0.2404 mL	1.202 mL	2.4041 mL
10 mM	0.1202 mL	0.601 mL	1.202 mL
50 mM	0.024 mL	0.1202 mL	0.2404 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

Bártová I, The mechanism of inhibition of the cyclin-dependent kinase-2 as revealed by the molecular dynamics study on the complex CDK2 with the peptide substrate HHASPRK. Protein Sci. 2005 Feb;14(2):445-51.

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