

Protein Kinase C 19-31 acetate

Chemical Properties

CAS No. :

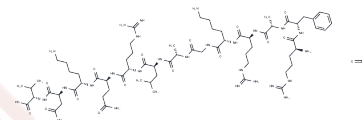
Formula: C₆₉H₁₂₂N₂₆O₁₈

Molecular Weight: 1603.9

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	Protein Kinase C 19-31 acetate, a peptide inhibitor of protein kinase C (PKC), derived from the pseudo-substrate regulatory domain of PKCa (residues 19-31) with a serine at position 25 replacing the wild-type alanine, is used as protein kinase C substrate peptide for testing the protein kinase C activity.
Targets(IC50)	PKC

Solubility Information

Solubility	DMSO: 10 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	0.6235 mL	3.1174 mL	6.2348 mL
5 mM	0.1247 mL	0.6235 mL	1.247 mL
10 mM	0.0623 mL	0.3117 mL	0.6235 mL
50 mM	0.0125 mL	0.0623 mL	0.1247 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

Mellor H, et al. The extended protein kinase C superfamily. Biochem J. 1998 Jun 1;332 (Pt 2):281-92.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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