

Protein Kinase C (19-31) (TFA)(121545-65-1,free)

Chemical Properties

CAS No. :

Formula: C₆₉H₁₁₉F₃N₂₆O₁₈

Molecular Weight: 1657.84

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) TFA, 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.

Solubility Information

Solubility

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6032 mL	3.016 mL	6.0319 mL
5 mM	0.1206 mL	0.6032 mL	1.2064 mL
10 mM	0.0603 mL	0.3016 mL	0.6032 mL
50 mM	0.0121 mL	0.0603 mL	0.1206 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.

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