Protein Kinase C (19-31)

Cat. No.:	HY-P1746
CAS No.:	121545-65-1
Molecular Formula:	$C_{67}H_{118}N_{26}O_{16}$
Molecular Weight:	1543.82
Sequence:	Arg-Phe-Ala-Arg-Lys-Gly-Ala-Leu-Arg-Gln-Lys-Asn-Val
Sequence Shortening:	RFARKGALRQKNV
Target:	PKC
Pathway:	Epigenetics; TGF-beta/Smad
Storage:	Sealed storage, away from moisture and light, under nitrogen Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

BIOLOGICAL ACTIVITY

Description	Protein Kinase C (19-31), 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. Protein kinase C (PKC) is involved in controlling the function of other proteins through the phosphorylation of hydroxyl groups of serine and threonine amino acid residues on these proteins[1][2].

REFERENCES

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

[2]. Nishizuka Y (1995). Protein kinase C and lipid signaling for sustained cellular responses" (abstract). FASEB J. 9 (7): 484–96.

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