
PKA Inhibitor [6-22] Peptide

Subcategory: Inhibitory Peptide, Synthetic Peptide

Cat. No.: 350008

Unit: 1 mg

Description:

This peptide is a potent and competitive inhibitor of protein kinase A (PKA) with a $K_i = 1.7$ nM. The peptide sequence corresponds to residues 6-22 of human cAMP-dependent protein kinase inhibitor alpha (PKI-alpha) and is amidated at the C-terminus end. PKI-alpha interacts with the catalytic subunit of PKA after the cAMP-induced dissociation of its regulatory chains.

Format: Each vial contains 1 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

Alternate Names: cAMP-dependent protein kinase inhibitor alpha; PKI-alpha; PKIA; PRKACN1

Accession No.: P61925

MW: 1868.1 g/mol

Sequence: Thr-Tyr-Ala-Asp-Phe-Ile-Ala-Ser-Gly-Arg-Thr-Gly-Arg-Arg-Asn-Ala-Ile-NH₂ or TYADFIASGRTGRRNAI-NH₂

Composition: C₈₀H₁₃₀N₂₈O₂₄

Purity: Purity > 95% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, aliquot and store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.