
cGKI Kinase Inhibitor Peptide

Subcategory: Inhibitory Peptide, Synthetic Peptide

Cat. No.: 350001

Unit: 1 mg

Description:

The peptide is a synthetic inhibitor of the cGKI protein kinase. The sequence corresponds to the mutated S32A phosphorylation site analog within residues 29-35 of human histone H2B. The cGKI kinase belongs to the AGC Ser/Thr family, cGMP subfamily, and has two isoforms, alpha and beta, that become active upon homodimerization and cGMP binding.

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

Alternate Names: Substrate: Histone H2B; Inhibitor: cGMP-dependent protein kinase 1; CGK 1; cGKI; PRKG1; PRKGR1

Accession No.: P33778, Q13976

MW: 943.2 g/mol

Sequence: Arg-Lys-Arg-Ala-Arg-Lys-Glu or RKRARKE

Composition: C38H74N18O10

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.