

Pep-1 Peptide

Subcategory: Synthetic Peptide

Cat. No.: 350333

Unit: 1 mg

Description:

Pep-1 peptide is a well-known cell penetrating peptide (PTD, protein transduction domain) that transports full-length proteins to the nucleus of the cell. Pep-1 is a short amphipathic peptide consisted of a hydrophobic tryptophan-rich domain and a hydrophilic lysine-rich domain separated by a spacer. Pep-1 localizes rapidly (<10 min) to the nucleus of the cell via an endocytosis-independent internalization process. The Pep-1 peptide is able to efficiently deliver a variety of peptides and proteins in living cells in a fully biological active form.

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

Alternate Names: Cell penetrating peptide; Pep-1; PEP1; PTD, protein transduction domain

MW: 2848.29 g/mol

Sequence: H-Lys-Glu-Thr-Trp-Trp-Glu-Thr-Trp-Trp-Thr-Glu-Trp-Ser-Gln-Pro-Lys-Lys-Lys-Arg-Lys-Val-OH or H-KETWWETWWTEWSQPKKKRKV-OH

Composition: C₁₃₆H₁₉₅N₃₅O₃₃

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.