Substance P Free Acid

Subcategory: Synthetic Peptide
Cat. No.: 350399
Unit: 1 mg

Description:
Substance P corresponds to amino acid 58-68 of neurokinin A precursor. Neurokinin A belongs to the tachykinin family, peptides that are potent vasodilators and secretagogues, excite neurons, provoke behaviorial responses, and contract smooth muscles. Substance P acts as a neurotransmitter found in brain ans spinal cord and is associated with inflammatory responses in the joints by causing pain.

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

Alternate Names: Substance P; Protachykinin-1; PPT; TAC1; NKA; NKNA; TAC2
Accession No.: P20366

MW: 1348.65 g/mol
Sequence: Human: H-Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-OH or H-RPKPQQFFGLM-OH
Composition: C63H97N17O14S1
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.