

Oxytocin Peptide

Subcategory: Synthetic Peptide

Cat. No.: 350314

Unit: 5 mg

Description:

Oxytocin causes contraction of the smooth muscle of the uterus and of the mammary glands. The oxytocin-neurophysin 1 precursor is processed into oxytocin and neurophysin 1, which specifically binds to oxytocin. Oxytocin is available as Pitocin (Parke-Davis) and Syntocinon (Sandoz) to artificially speed or induce labor.

Format: Each vial contains 5 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

Alternate Names: Oxytocin; ocytocin; Neurophysin 1; OT-NPI; OXT; OT

Accession No.: P01178

MW: 1007.21 g/mol

Sequence: Human: H-Cys-Tyr-Ile-Gln-Asn-Cys-Pro-Leu-Gly-NH₂ (Cys1-Cys6) or H-CYIQNCPLG-NH₂ (Cys1-Cys6)

Composition: C₄₃H₆₆N₁₂O₁₂S₂

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.