

Lypressin

Item Number rAP-2570

Synonyms

Description Lypressin is a hormone used to prevent or control the frequent urination, increased thirst, and loss of water associated with diabetes insipidus (water diabetes). Its molecular weight is 1056.2 Dalton having an amino acid sequence of Cys-Tyr-Phe-Gln-Asn-Cys-Pro-Lys-Gly-NH₂. The Molecular Formula is:

Uniprot Accesion Number

Amino Acid Sequence

Source

Physical Appearance and Stability Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Lypressin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Lypressin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Formulation and Purity The protein (1mg/ml) was lyophilized with no additives. Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Application

Solubility It is recommended to reconstitute the lyophilized Lypressin in sterile 18MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions. Lypressin is also soluble in 1% Acetic Acid.

Biological Activity

Shipping Format and Condition Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**