

Desmopressin

Item Number rAP-2564

Synonyms

Description Desmopressin also called ADH (Anti-Diuretic Hormone) has a molecular formula of C₄₆H₆₄N₁₄O₁₂S₂, Mpr-Tyr-Phe-Gln-Asn-Cys-Pro-D-Arg-Gly-NH₂ having a Mw of 1069.23 Dalton.

Uniprot Accession Number

Amino Acid Sequence

Source

Physical Appearance and Stability Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Desmopressin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution DDAVP 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 Desmopressin peptide 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 DDAVP in sterile 18MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

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**