

Product: **Desmopressin**
Catalog #: **12-4229**
Amount: **500 µg**

DESCRIPTION: Desmopressin also called ADH (Anti-Diuretic Hormone) has a molecular formula of $C_{46}H_{64}N_{14}O_{12}S_2$. Mpr-Tyr-Phe-Gln-Asn-Cys-Pro-D-Arg-Gly-NH₂ having a Mw of 1069.23 is the first vasopressin analog with a very high and very specific antidiuretic effect, has been widely used for different therapeutic purposes and is believed to be partly responsible for the formation of memories learning and memory processes. Desmopressin increases urine concentration and decreases urine production. Desmopressin is used to prevent and control excessive thirst, urination, and dehydration

SOURCE: Synthetic peptide

PURITY: > 99%, as determined by:
(a) Analysis by RP-HPLC and anion-exchange FPLC
(b) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel

ENDOTOXIN: < 0.1 ng/µg (IEU/µg) of Desmopressin

DIMERS & AGGREGATES: < 1% as determined by silver stained SDS-PAGE gel analysis

PROTEIN CONTENT: Protein quantitation was carried out by 2 independent methods:
- UV spectroscopy at 280 nm
- Analysis by RP-HPLC, using a standard solution of Desmopressin as a Reference Standard

FORM: Purified, in 0.1 % BSA

STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

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