

## DDAVP

**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-NH<sub>2</sub> having a Mw of 1069.23 Dalton, 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.

Catalog #:HOPS-277

For research use only.

**Physical Appearance:**Sterile Filtered White lyophilized (freeze-dried) powder.

**Purity:**Greater than 98.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

### Formulation:

The Desmopressin peptide was lyophilized with no additives.

### Stability:

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.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Solubility:

It is recommended to reconstitute the lyophilized DDAVP in sterile 18M-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

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