

Product Information

[Arg⁸]-Vasopressin acetate salt

Catalog Number **V9879**

Storage Temperature -20 °C

CAS RN 113-79-1

Product Description

Molecular Formula: C₄₆H₆₅N₁₅O₁₂S₂

Molecular Weight: 1084

[Arg⁸]-Vasopressin is involved in diuresis, vasoregulation, thermoregulation, and memory. This product is known as an antidiuretic hormone. Vasopressin also affects rat renal medullary Na⁺/K⁺ ATPase by arginine vasopressin mediation through the V2 receptor.² Vasopressin is also reported to act as a central nervous system neurotransmitter.³

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

This product is soluble in water (20 mg/ml).

Storage/Stability

Aqueous solutions intended for long term storage need to be either lyophilized or frozen in single-use aliquots. Avoid drying the solution in a Speed-Vac. The heat produced may destroy the vasopressin activity and the product will be a dry paste rather than a powder.

To protect the disulfide bridge, a solution preparation of vasopressin (Catalog Number V0377) is in 0.9% NaCl at pH 3.5, and contains 0.5% chlorobutanol as a preservative.

References

1. Charlton, J.A., and Baylis, P.H., Stimulation of rat renal medullary Na⁺/K⁺-ATPase by arginine vasopressin is mediated by the V2 receptor. *J. Endocrinol.*, **127(2)**, 213-216 (1990).
2. Riphagenet, C.L., and Pittman, Q.J., Arginine vasopressin as a central neurotransmitter. *Fed. Proc.*, **45(9)**, 2318-2322 (1986).

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