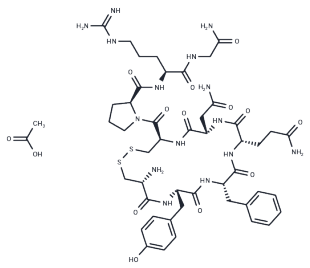
Data Sheet (Cat.No.T7284)

TargetMol
YOUR TARGET MOLECULES

Argipressin acetate (113-79-1(free base))

Chemical Properties



CAS No. : 83968-48-3

Formula: C48H69N15O14S2

Molecular Weight: 1144.28

Appearance: no data available

Storage: keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Vasopressin acetate is a peptide hormone with vasoconstrictive and antidiuretic activities that binds to the vascular arginine vasopressin receptor, V1, with Kd values of 1.31 and 1.44 nM in A7r5 rat aortic smooth muscle cells and neonatal rat cardiomyocytes, respectively
Targets(IC50)	Others
In vitro	Vasopressin stimulate NKCC2 phosphorylation increase mediated by cAMP-PKA and Ca(2+) signaling in the colon.?The expression and phosphorylation of NKCC2 are increased in the colon by vasopressin stimulation, in association with enhanced activity of the vasopressin/cAMP and Ca(2+) pathways[1].

Solubility Information

Solubility	H2O: 360 mg/mL (332.03 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8739 mL	4.3696 mL	8.7391 mL
5 mM	0.1748 mL	0.8739 mL	1.7478 mL
10 mM	0.0874 mL	0.437 mL	0.8739 mL
50 mM	0.0175 mL	0.0874 mL	0.1748 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Xue H , Tang X . Effect of vasopressin on Na+-K+-2Cl? cotransporter (NKCC) and the signaling mechanisms on the murine late distal colon[J]. European Journal of Pharmacology, 2016, 771:241-246.

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481