Selepressin acetate

Cat. No.: HY-105239A

Molecular Formula: $C_{46}H_{73}N_{13}O_{11}S_2.xC_2H_4O_2$

Target: Vasopressin Receptor

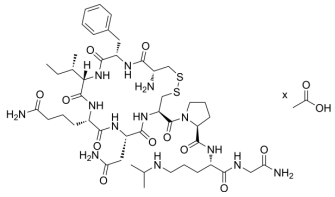
Pathway: GPCR/G Protein

Storage: Sealed storage, away from moisture and light, under nitrogen

Powder -80°C 2 years

-20°C 1 year

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	H_2O : 100 mg/mL (Need ultrasonic)

BIOLOGICAL ACTIVITY

Description	Selepressin (FE 202158) acetate is a selective vasopressin V_{1A} receptor agonist. Selepressin acetate is a potent vasopressin. Selepressin acetate can be used in the study of septic shock.
In Vitro	Selepressin acetate (100 nM, 48 or 72 h) ameliorates thrombin or VEGF-induced HLMVECs barrier dysfunction[4]. Selepressin acetate (1-1000 nM, 72 h) prevents the LPS-Induced loss of VE-cadherin and cortical actin in HLMVECs[4]. Selepressin acetate (100 nM, 48 h) induces the expression of the barrier-protective p53 in HLMVECs[4]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Selepressin acetate (1 μg/kg/min, left jugular vein infusion for 12 min) increases 38.5% of the mean arterial pressure (MAP) in LPS-induced, fluid-resuscitated rabbit endotoxemia model[2]. Selepressin acetate (7 pmol/kg/min, 10 μL/min, i.v. infusion) blocks vascular leak in ovine severe sepsis[3]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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