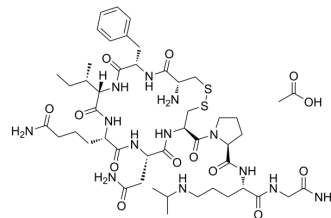


Selepressin acetate

Cat. No.:	HY-105239A
Molecular Formula:	C ₄₈ H ₇₇ N ₁₃ O ₁₃ S ₂
Molecular Weight:	1108.33
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

H₂O : 100 mg/mL (90.23 mM; Need ultrasonic)

	Mass		1 mg	5 mg	10 mg
	Solvent	Concentration			
Preparing Stock Solutions	1 mM		0.9023 mL	4.5113 mL	9.0226 mL
	5 mM		0.1805 mL	0.9023 mL	1.8045 mL
	10 mM		0.0902 mL	0.4511 mL	0.9023 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

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 mode^[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.

Caution: Product has not been fully validated for medical applications. For research use only.

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