

产品名称：精氨酸加压素

产品别名：Argipressin; 精氨加压素; Vasopressin; Arg8-vasopressin; AVP

生物活性:					
Description	Argipressin binds to the V1, V2, V3-vascular arginine vasopressin receptor, with a K _d value of 1.31 nM in A7r5 rat aortic smooth muscle cells for V1. Argipressin is a selective V2 agonist.				
In Vitro	Argipressin binds to the vascular arginine vasopressin receptor, V1, with a K _d value of 1.31 nM in A7r5 rat aortic smooth muscle cells. It also stimulates the intracellular release of calcium in A7r5 cells (EC ₅₀ =5 nM)[1]. AVP-induced [Ca ²⁺] _i signals and immunized activity against S-100 in DRG cell culture. The minimum effective concentrations of Argipressin causing [Ca ²⁺] _i responses are 100 pM in non-neuronal cells in DRG culture[2].				
Solvent&Solubility	<i>In Vitro:</i> H₂O : ≥ 360 mg/mL (332.03 mM) * "≥" means soluble, but saturation unknown.				
	Preparing Stock Solutions	<div>Solvent / Mass Concentration</div>	1 mg	5 mg	10 mg
		1 mM	0.9223 mL	4.6116 mL	9.2231 mL
		5 mM	0.1845 mL	0.9223 mL	1.8446 mL
		10 mM	0.0922 mL	0.4612 mL	0.9223 mL
	*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液，一旦配成溶液，请分装保存，避免反复冻融造成的产品失效。 储备液的保存方式和期限: -80℃, 6 months; -20℃, 1 month。 -80℃ 储存时，请在 6 个月内使用，-20℃ 储存时，请在 1 个月内使用。				
References	<p>[1]. <u>Thibonnier M, et al. Multiple signaling pathways of V1-vascular vasopressin receptors of A7r5 cells. Endocrinology. 1991 Dec;129(6):2845-56.</u></p> <p>[2]. <u>Moriya T, et al. Vasopressin-induced intracellular Ca²⁺ concentration responses in non-neuronal cells of the rat dorsal root ganglion. Brain Res. 2012 Nov 5;1483:1-12.</u></p> <p>[3]. <u>Keun Suk Park, et al. Role of vasopressin in current anesthetic practice. Korean J Anesthesiol. 2017 Jun; 70(3): 245–257.</u></p>				