



上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
电话: 021-61312973 传真: 021-55068248
网址: www.shyuanye.com
邮箱: shyysw@sina.com

产品名称: [Val5]-血管紧张素 II

产品别名: Angiotensin II 5-valine; Valine angiotensin II; 5-L-Valine angiotensin II; 血管紧张素 II 5-缬氨酸

生物活性:						
Description		Angiotensin II 5-valine is an agonist of angiotensin receptor.				
IC ₅₀ & Target		Angiotensin receptor[1].				
In Vivo		By day 12, systolic blood pressure (SBP) increases significantly in Angiotensin II 5-valine infused rats (197±7 mm Hg). As shown, the development of hypertension in ANG II infused rats is prevented by losartan treatment. Blood and kidney samples are harvested, subjected to HPLC to separate Angiotensin II 5-valine (exogenous) from Ile5-ANG II (endogenous) and the fractions are measured by radioimmunoassay. In the Angiotensin II 5-valine infused rats treated with losartan, total plasma ANG II levels are elevated to a greater extent than in rats not treated with losartan (289±20 v 119±14 fmol/mL). However, losartan markedly decrease by 88% the enhancement of intrarenal Val5-ANG II content that occurred in the rats infused with Val5-ANG II alone[1].				
Solvent&Solubility		In Vitro: H ₂ O : ≥ 257.5 mg/mL (249.48 mM) * "≥" means soluble, but saturation unknown.				
		Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
			1 mM	0.9689 mL	4.8443 mL	9.6885 mL
			5 mM	0.1938 mL	0.9689 mL	1.9377 mL
			10 mM	0.0969 mL	0.4844 mL	0.9689 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°C, 6 months; -20°C, 1 month (protect from light)。-80°C 储存时, 请在 6 个月内使用, -20°C 储存时, 请在 1 个月内使用。						
References		[1]. Zou LX et al. Renal uptake of circulating angiotensin II in Val5-angiotensin II infused rats is mediated by AT1 receptor. Am J Hypertens. 1998 May;11(5):570-8.				
实验参考:						
Animal Administration		Rats[1] Male Sprague Dawley rats are uninephrectomized and divided into three groups: control (n=6), Angiotensin II 5-valine (exogenous form) infused (n=8), and Angiotensin II 5-valine infused rats treat with losartan (n=8). Angiotensin II 5-valine, which has the same biological and immunoreactive properties as endogenous ANG II, was infused at 40 ng/min via an osmotic minipump implant subcutaneously[1].				
References		[1]. Zou LX et al. Renal uptake of circulating angiotensin II in Val5-angiotensin II infused rats is mediated by AT1 receptor. Am J Hypertens. 1998 May;11(5):570-8.				