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产品名称: 盐酸乐卡地平
产品别名: **Lercanidipine hydrochloride**

生物活性:				
Description	Lercanidipine hydrochloride is a calcium channel blocker of the dihydropyridine class. Target: Calcium Channel Lercanidipine is a calcium channel blocker of the dihydropyridine class, which works by relaxing and opening the blood vessels allowing the blood to circulate more freely around the body. Lercanidipine was effective and well-tolerated in patients with mild-to-moderate hypertension in the daily practice. The effectiveness and safety of the drug were independent of the degree of cardiovascular risk [1, 2].			
Solvent&Solubility	In Vitro: DMSO : 50 mg/mL (77.14 mM; Need ultrasonic) H₂O : < 0.1 mg/mL (insoluble)			
		Solvent Mass Concentration	1 mg	5 mg
	Preparing	1 mM	1.5428 mL	7.7138 mL
	Stock Solutions	5 mM	0.3086 mL	1.5428 mL
		10 mM	0.1543 mL	0.7714 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。 -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。 In Vivo: 请根据您的实验动物和给药方式选择适当的溶解方案。以下溶解方案都请先按照 In Vitro 方式配制澄清的储备液, 再依次添加助溶剂: ——为保证实验结果的可靠性, 澄清的储备液可以根据储存条件, 适当保存; 体内实验的工作液, 建议您现用现配, 当天使用; 以下溶剂前显示的百分比是指该溶剂在您配制终溶液中的体积占比; 如在配制过程中出现沉淀、析出现象, 可以通过加热和/或超声的方式助溶 1.请依序添加每种溶剂: 10% DMSO→40% PEG300 →5% Tween-80 → 45% saline Solubility: ≥ 2.5 mg/mL (3.86 mM); Clear solution 此方案可获得 ≥ 2.5 mg/mL (3.86 mM, 饱和度未知) 的澄清溶液。 以 1 mL 工作液为例, 取 100 μL 25.0 mg/mL 的澄清 DMSO 储备液加到 400 μL PEG300 中, 混合均匀, 向上述体系中加入 50 μL Tween-80, 混合均匀; 然后继续加入 450 μL 生理盐水定容至 1 mL。				
References	[1]. Barrios, V., et al., Lercanidipine is an effective and well tolerated antihypertensive drug regardless the cardiovascular risk profile: The LAURA study. Int J Clin Pract, 2006. 60(11): p. 1364-70. [2]. Burnier, M., M. Pruijm, and G. Wuerzner, Treatment of essential hypertension with calcium channel blockers: what is the place of lercanidipine? Expert Opin Drug Metab Toxicol, 2009. 5(8): p. 981-7.			