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产品名称: 瑞维齐农
产品别名: **Revizinone; R80122**

生物活性:				
Description	Revizinone is a novel selective phosphodiesterase (PDE) inhibitor with IC ₅₀ values on this enzyme to 0.036 microM. target: phosphodiesterase (PDE)[3]; IC 50: 0.036 microM; [3] In vivo: The administration of Revizinone improved the haemodynamic profile with an increase in cardiac output, a decrease in systemic vascular resistance and a stable heart rate and mean arterial blood pressure. [1] With regard to reconstitution of contractility and cardiac function Revizinone (E-isomer) was 10 fold more potent than R 79595 and nearly 100 fold more potent than R 80123 (Z-isomer). [2] Revizinone significantly increased global LV function and systolic wall thickening in ischemic areas at doses greater than or equal to 0.16 mg/kg i.v. [4]			
	In Vitro: DMSO : ≥ 4.6 mg/mL (10.01 mM) * "≥" means soluble, but saturation unknown.			
Solvent&Solubility	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg
		1 mM	2.1761 mL	10.8804 mL
		5 mM	0.4352 mL	2.1761 mL
		10 mM	0.2176 mL	1.0880 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	[1]. Herregods L et al. Haemodynamic effects of R 80122 immediately after cardiopulmonary bypass; preliminary results. Anaesthesia. 1994 Aug;49(8):719-22. [2]. Schneider J et al. Cardiac effects of R 79595 and its isomers (R 80122 and R 80123) in an acute heart failure model. A new class of cardiotonic agents with highly selective phosphodiesterase III inhibitory properties. Naunyn Schmiedebergs Arch Pharmacol. 1992 Nov;346(5):563-72. [3]. de Cheffoy de Courcelles D et al. Inhibition of human cardiac cyclic AMP-phosphodiesterases by R 80122, a new selective cyclic AMP-phosphodiesterase III inhibitor: a comparison with other cardiotonic compounds. J Pharmacol Exp Ther. 1992 Oct;263(1):6-14. [4]. Vandeplassche GM et al. Comparative effects of R 80122, enoximone, and milrinone on left ventricular phosphodiesterase isoenzymes in vitro and on contractility of normal and stunned myocardium in vivo in dogs. J Cardiovasc Pharmacol. 1992 May;19(5):714-22.			