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产品名称: **Eniporide hydrochloride**
产品别名: **EMD-96785 hydrochloride**

生物活性:				
Description	Eniporide hydrochloride (EMD-96785 hydrochloride) is a potent Na ⁺ /H ⁺ exchange inhibitor.			
IC ₅₀ & Target	Sodium Channel[1]			
In Vitro	There is no significant effects of the Na ⁺ /H ⁺ exchange inhibitor eniporide on cardiac performance and high energy phosphate content in healthy pig hearts subjected to ischemia/reperfusion induced by crystalloid cardioplegic arrest[1].			
In Vivo	In stage 1, the administration of 100 mg and 150 mg eniporide results in smaller infarct sizes, especially in the angioplasty group. In contrast, in stage 2 there is no difference in the enzymatic infarct size between the three groups. Overall there is no effect of eniporide on clinical outcome (death, cardiogenic shock, heart failure, life-threatening arrhythmias). However, there is a significant reduction of the incidence of heart failure in patients reperfused late (>4 h)[2].			
Solvent&Solubility	In Vitro: DMSO : ≥ 150 mg/mL (420.37 mM) * "≥" means soluble, but saturation unknown.			
		Solvent Concentration	Mass	
	Preparing	1 mM	2.8025 mL	14.0123 mL
	Stock Solutions	5 mM	0.5605 mL	2.8025 mL
		10 mM	0.2802 mL	1.4012 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。				
References	[1]. Klass O, et al. Effect of the Na ⁺ /H ⁺ exchange inhibitor eniporide on cardiac performance and myocardial high energy phosphates in pigs subjected to cardioplegic arrest. Ann Thorac Surg. 2004 Feb;77(2):658-63. [2]. Zeymer U, et al. The Na ⁽⁺⁾ /H ⁽⁺⁾ exchange inhibitor eniporide as an adjunct to early reperfusion therapy for acute myocardial infarction. Results of the evaluation of the safety and cardioprotective effects of eniporide in acute myocardial infarction (ESCAMI) trial. J Am Coll Cardiol. 2001 Nov 15;38(6):1644-50.			