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产品名称: 盐酸奥普力农

产品别名: **Olprinone Hydrochloride; Loprinone (Hydrochloride)**

生物活性:				
Description	Olprinone Hcl(Loprinone Hcl) is a selective phosphodiesterase 3 (PDE3) inhibitor. IC50 value: Target: PDE3 Olprinone is used as cardiostimulant agent with positive inotropic and vasodilating effects. Olprinone has been reported to improve microcirculation and attenuate inflammation. Olprinone is often used to increase cardiac output after cardiopulmonary bypass (CPB). Olprinone was infused at a rate of 0.2 µg/kg/min when weaning from CPB was started. Olprinone has also shown potent antioxidative and anti-inflammatory effects in the meconium-induced oxidative lung injury.			
Solvent&Solubility	In Vitro: H₂O : ≥ 7.69 mg/mL (26.82 mM) * "≥" means soluble, but saturation unknown.			
	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg
		1 mM	3.4877 mL	17.4386 mL
		5 mM	0.6975 mL	3.4877 mL
		10 mM	0.3488 mL	1.7439 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]. Tsubokawa T, Ishizuka S, Fukumoto K, et al. The effect of hemodilution by cardiopulmonary bypass on protein binding of olprinone. J Anesth. 2012 . [2]. Mokra D, Drgova A, Pullmann R Sr, et al. Selective phosphodiesterase 3 inhibitor olprinone attenuates meconium-induced oxidative lung injury. Pulm Pharmacol Ther. 2012 Jun;25(3):216-22. [3]. Yamanaka H, Hayashi Y, Kamibayashi T, Mashimo T. Effect of olprinone, a phosphodiesterase III inhibitor, on balance of cerebral oxygen supply and demand during cardiopulmonary bypass. J Cardiovasc Pharmacol. 2011 May;57(5):579-83. [4]. Mazzon E, Esposito E, Di Paola R, et al. Olprinone, a specific phosphodiesterase (PDE)-III inhibitor, reduces the development of multiple organ dysfunction syndrome in mice. Pharmacol Res. 2011 Jul;64(1):68-79.			