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产品名称: **E-4031**

产品别名: **E-4031**

生物活性:				
Description	E-4031 is a class III antiarrhythmic agent which selectively blocks hERG potassium channel.			
Solvent&Solubility	In Vitro: H₂O : ≥ 50 mg/mL (105.39 mM) * "≥" means soluble, but saturation unknown.			
	<div>Preparing Stock Solutions</div>	<div>Solvent / Mass / Concentration</div>	1 mg	5 mg
		1 mM	2.1077 mL	10.5387 mL
		5 mM	0.4215 mL	2.1077 mL
		10 mM	0.2108 mL	1.0539 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	<p>[1]. Nalos L, et al. Comparison of the IKr blockers moxifloxacin, dofetilide and E-4031 in five screening models of pro-arrhythmia reveals lack of specificity of isolated cardiomyocytes. Br J Pharmacol. 2012 Jan;165(2):467-78.</p> <p>[2]. Verheijck EE, et al. Effects of delayed rectifier current blockade by E-4031 on impulse generation in single sinoatrial nodal myocytes of the rabbit. Circ Res. 1995 Apr;76(4):607-15.</p> <p>[3]. Izumi-Nakaseko H, et al. Effects of selective IKr channel blockade by E-4031 on ventricular electro-mechanical relationship in the halothane-anesthetized dogs. Eur J Pharmacol. 2014 Oct 5;740:263-70.</p> <p>[4]. Izumi D, et al. Effects of bepridil versus E-4031 on transmural ventricular repolarization and inducibility of ventricular tachyarrhythmias in the dog. Pacing Clin Electrophysiol. 2010 Aug;33(8):950-9.</p>			