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产品名称: **GAP-134 (Hydrochloride)**

产品别名: **Danegaptide Hydrochloride ; ZP 1609 Hydrochloride**

生物活性:				
Description	Danegaptide Hydrochloride (GAP-134 Hydrochloride) is a selective modifier of the gap junction protein.			
IC₅₀ & Target	Gap junction.			
Solvent&Solubility	<i>In Vitro:</i> H₂O : ≥ 75 mg/mL (228.83 mM) DMSO : ≥ 55 mg/mL (167.81 mM) * "≥" means soluble, but saturation unknown.			
	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg
		1 mM	3.0510 mL	15.2551 mL
		5 mM	0.6102 mL	3.0510 mL
		10 mM	0.3051 mL	1.5255 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]. De Vuyst E, Boengler K, Antoons G, et al. Pharmacological modulation of connexin-formed channels in cardiac pathophysiology. Br J Pharmacol. 2011 Jun;163(3):469-83. [2]. Laurent G, Leong-Poi H, Mangat I, et al. Effects of chronic gap junction conduction-enhancing antiarrhythmic peptide GAP-134 administration on experimental atrial fibrillation in dogs. Circ Arrhythm Electrophysiol. 2009 Apr;2(2):171-8. [3]. Hennan JK, Swillo RE, Morgan GA, et al. GAP-134 [(2S,4R)-1-[2-aminoacetyl]-4-benzamidopyrrolidine-2-carboxylic acid] prevents spontaneous ventricular arrhythmias and reduces infarct size during myocardial ischemia/reperfusion injury in open-chest dogs. J Cardiovasc Pharmacol Ther. 2009 Sep;14(3):207-14. [4]. Rossman EI, Liu K, Morgan GA, et al. The gap junction modifier, GAP-134 [(2S,4R)-1-(2-aminoacetyl)-4-benzamido-pyrrolidine-2-carboxylic acid], improves conduction and reduces atrial fibrillation/flutter in the canine sterile pericarditis model. J Pharmacol Exp Ther. 2009 Jun;329(3):1127-33. [5]. Eugene L. Piatnitski Cheklera, John A. Buterab, Li Dib, Discovery of a class of potent gap-junction modifiers as novel antiarrhythmic agents. Bioorganic & Medicinal Chemistry Letters. 2009,19(16): 4551-4554			