



上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
电话: 021-61312973 传真: 021-55068248
网址: www.shyuanye.com
邮箱: shyysw@sina.com

产品名称: **TAK-438 (free base)**
产品别名: **Vonoprazan; 沃诺拉赞**

生物活性:					
Description	Vonoprazan (TAK-438 free base) is an orally active potassium-competitive acid blocker which inhibits H ⁺ , K ⁺ -ATPase activity with an IC ₅₀ of 19 nM.				
Solvent&Solubility	<i>In Vitro:</i> DMSO : ≥ 33 mg/mL (95.54 mM) * "≥" means soluble, but saturation unknown.				
	Preparing Stock Solutions	<div>Solvent / Mass / Concentration</div>	1 mg	5 mg	10 mg
		1 mM	2.8953 mL	14.4764 mL	28.9528 mL
		5 mM	0.5791 mL	2.8953 mL	5.7906 mL
		10 mM	0.2895 mL	1.4476 mL	2.8953 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]. Arikawa Y, et al. Discovery of a novel pyrrole derivative 1-[5-(2-fluorophenyl)-1-(pyridin-3-ylsulfonyl)-1H-pyrrol-3-yl]-N-methylmethanamine fumarate (TAK-438) as a potassium-competitive acid blocker (P-CAB). J Med Chem, 2012, 55(9), 4446-4456.</p> <p>[2]. Hori Y, et al. 1-[5-(2-Fluorophenyl)-1-(pyridin-3-ylsulfonyl)-1H-pyrrol-3-yl]-N-methylmethanamine monofumarate (TAK-438), a novel and potent potassium-competitive acid blocker for the treatment of acid-related diseases. J Pharmacol Exp Ther, 2010, 335(1), 231-238.</p> <p>[3]. Hori Y, et al. A study comparing the antisecretory effect of TAK-438, a novel potassium-competitive acid blocker, with lansoprazole in animals. J Pharmacol Exp Ther, 2011, 337(3), 797-804.</p>				