

产品名称：1-[2-[4-(4-氟苯甲酰基)-1-哌啶基]乙基]-1,3-二氢-3,3-二甲基-2H-咪唑-2-酮盐酸盐
产品别名：LY310762

生物活性：						
Description		LY310762 is a 5-HT1D receptor antagonist with Ki of 249 nM, having a weaker affinity for 5-HT1B receptor. IC50 value: 249 nM (Ki) [1] Target: 5-HT1D in vitro: LY310762 has a higher affinity for the guinea pig 5-HT1D receptor than for the 5-HT1B receptor. LY310762 potentiates the potassium-induced [3H]5-HT outflow from guinea pig cortical slices with an EC50 of 30 nM. The maximum potentiation of the potassium-induced outflow which is obtained with LY310762 is about 40% [1]. LY310762 blocks the decreased EPSC amplitude induced by Sumatriptan [2]. in vivo: Systemic administration of LY310762 (10 mg/kg i.p.) produces a further significant enhancement in the 5-HT response to fluoxetine (20 mg/kg i.p.) when compared to animals receiving a control vehicle injection. In fluoxetine treated animals, levels of 5-HT increases from 312±43% to a maximum of 683% after LY310762. In control animals, levels of 5-HT remains unchanged (250%). LY310762 administered alone also significantly increases basal levels of 5-HT above vehicle controls, reaching a maximum of 258% compared to the pre-injection control [1].				
Solvent&Solubility		In Vitro:				
		DMSO : ≥ 44 mg/mL (102.10 mM)				
		Preparing Stock Solutions	<div><div>Solvent</div><div>Mass</div><div>Concentration</div></div>	1 mg	5 mg	10 mg
			1 mM	2.3205 mL	11.6025 mL	23.2051 mL
			5 mM	0.4641 mL	2.3205 mL	4.6410 mL
		10 mM	0.2321 mL	1.1603 mL	2.3205 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		<p>[1]. Pullar IA, et al. The role of the 5-HT1D receptor as a presynaptic autoreceptor in the guinea pig. Eur J Pharmacol, 2004, 493(1-3), 85-93.</p> <p>[2]. Choi IS, et al. 5-HT(1B) receptors inhibit glutamate release from primary afferent terminals in rat medullary dorsal horn neurons. Br J Pharmacol, 2012,167(2), 356-367.</p>				