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产品名称: **Reboxetine Mesylate**
产品别名: 甲磺酸瑞波西汀

生物活性:					
Description	<p>Reboxetine mesylate is a norepinephrine reuptake inhibitor use in the treatment of unipolar depression.</p> <p>Target: Others Reboxetine is a drug of the norepinephrine reuptake inhibitor class. Reboxetine dose-dependently and potently inhibits locus coeruleus neuronal firing in rats with ED50 of 191 µg/kg. Reboxetine inhibition of the locus coeruleus neurons is reversible by the α2 antagonist piperoxan (1.5 mg/kg, IV). Reboxetine dose-dependently reverses reserpine-induced blepharospasm and hypothermia in the mouse. Reboxetine is also found to antagonize clonidine-induced hypothermia dose-dependently in mice. Reboxetine reverses reserpine-induced blepharospasm and hypothermia in rats with ED50 of 10 mg/kg and 3 mg/kg (p.o.), respectively [1]. Reboxetine is associated with a markedly lower relapse rate than placebo (22% vs. 56%) and a greater cumulative probability of a maintained response during long-term treatment in patients with recurrent DSM-III-R major depression. Reboxetine effectively prevents recurrence of depressive symptoms following episode resolution [2]. Acute systemic administration of Reboxetine (0.3 mg/kg-20 mg/kg) dose-dependently increases extracellular norepinephrine in the rat frontal cortex while having no effect on extracellular serotonin. Reboxetine (20 mg/kg) also increases extracellular dopamine in the rat frontal cortex. Chronic administration of Reboxetine for 14 days results in elevated basal concentrations of extracellular norepinephrine and dopamine and a greater net increase of extracellular norepinephrine and dopamine, but not serotonin in the rat frontal cortex [3].</p>				
Solvent&Solubility	<i>In Vitro:</i>				
	H₂O : 50 mg/mL (122.10 mM; Need ultrasonic)				
		<div><div>Solvent</div><div>Mass</div><div>Concentration</div></div>	1 mg	5 mg	10 mg
	Preparing	1 mM	2.4420 mL	12.2100 mL	24.4200 mL
	Stock Solutions	5 mM	0.4884 mL	2.4420 mL	4.8840 mL
	10 mM	0.2442 mL	1.2210 mL	2.4420 mL	
<p>*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。</p> <p>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。</p>					
References	<p>[1]. Wong, E.H., et al., Reboxetine: a pharmacologically potent, selective, and specific norepinephrine reuptake inhibitor. Biol Psychiatry, 2000. 47(9): p. 818-29.</p> <p>[2]. Versiani, M., et al., Reboxetine, a unique selective NRI, prevents relapse and recurrence in long-term treatment of major depressive disorder. J Clin Psychiatry, 1999. 60(6): p. 400-6.</p> <p>[3]. Page, M.E. and I. Lucki, Effects of acute and chronic reboxetine treatment on stress-induced monoamine efflux in the rat frontal cortex. Neuropsychopharmacology, 2002. 27(2): p. 237-47.</p>				