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产品名称: **BD 1063 Dihydrochloride**

产品别名: **BD1063 dhydrochloride**

生物活性:						
Description		BD1063 dhydrochloride is a potent and selective sigma 1 receptor antagonist.				
In Vivo		BD1063 dose-dependently reduces ethanol self-administration in sP rats (3.3-11 mg/kg) and withdrawn, dependent Wistar rats (4-11 mg/kg) at doses that does not modify mean ethanol self-administration in non-dependent Wistar controls. BD1063 also reduces the breakpoints of sP rats to work for ethanol under a progressive-ratio reinforcement schedule[1]. BD1063 dose-dependently reduces binge-like eating and the regularity of food responding, and blocks the increased eating rate in Palatable rats. In the light/dark conflict test, BD1063 antagonizes the increased time spent in the aversive compartment and the increased intake of the palatable diet, without affecting motor activity[2]. The administration of BD1063 30 minutes before each paclitaxel dose prevents the development of cold and mechanical allodynia in WT mice. Moreover, the acute administration of BD1063 dose dependently reverses both types of paclitaxel-induced allodynia[3].				
Solvent&Solubility		In Vitro: H ₂ O : ≥ 50 mg/mL (144.46 mM) * "≥" means soluble, but saturation unknown.				
		Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
			1 mM	2.8892 mL	14.4459 mL	28.8917 mL
			5 mM	0.5778 mL	2.8892 mL	5.7783 mL
			10 mM	0.2889 mL	1.4446 mL	2.8892 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		[1]. Sabino V, et al. The sigma-receptor antagonist BD-1063 decreases ethanol intake and reinforcement in animal models of excessive drinking. Neuropsychopharmacology. 2009 May;34(6):1482-93. [2]. Cottone P, et al. Antagonism of sigma-1 receptors blocks compulsive-like eating. Neuropsychopharmacology. 2012 Nov;37(12):2593-604. [3]. Nieto FR, et al. Role of sigma-1 receptors in paclitaxel-induced neuropathic pain in mice. J Pain. 2012 Nov;13(11):1107-21.				
实验参考:						
Animal Administration		Rats: BD1063 is solubilized in isotonic saline and injected subcutaneously (s.c. 1 ml/kg), 15 min before testing. Rats are pretreated with BD1063 (0, 4.4, 7 and 11 mg/kg of body weight, free base weights, s.c.) using a within-subject Latin square design. sP rats: Rats are pretreated with BD1063 (0, 3, 4.4, 7 and 11 mg/kg of body weight, free base basis, s.c.) using a within-subject Latin square design[1].				
		[1]. Sabino V, et al. The sigma-receptor antagonist BD-1063 decreases ethanol intake and				



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