



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: **CGP 25454A**
产品别名: **CGP 25454A**

生物活性:					
Description	CGP 25454A is a novel and selective presynaptic dopamine autoreceptor antagonist. In vitro: CGP 25454A increase the field-stimulated [3H]- and [14C]-overflow from rat striatal slices preloaded with [3H]dopamine and [14C]choline, indicating that CGP 25454A is able to enhance the release of both dopamine (DA) and acetylcholine (ACh). However, CGP 25454A is 12.9 times more potent in increasing, by 1/6 of the apparent maximal increase, the release of [3H]DA than that of [14C]ACh. In vivo: CGP 25454A increase [3H]spiperone binding to receptors of the D2 family in rat striatum by 90-110% (ED50: 13 mg/kg i.p.). As a similar increase in [3H]spiperone binding is found with a variety of agents which increase the synaptic concentration of endogenous DA, the effect of CGP 25454A most probably reflects an enhanced release of DA under in vivo conditions. At 30-100 mg/kg, CGP 25454A inhibit [3H]spiperone binding in the pituitary of the same animals as a result of a blockade of postsynaptic DA receptors.				
Solvent&Solubility	In Vitro: DMSO : ≥ 3.5 mg/mL (10.11 mM) * "≥" means soluble, but saturation unknown.				
	<div>Preparing Stock Solutions</div>	<div>Solvent / Mass / Concentration</div>	1 mg	5 mg	10 mg
		1 mM	2.8881 mL	14.4404 mL	28.8809 mL
		5 mM	0.5776 mL	2.8881 mL	5.7762 mL
		10 mM	0.2888 mL	1.4440 mL	2.8881 mL
<div>*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。</div> <div>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。</div>					
References	[1]. Bischoff S et al. CGP 25454A, a novel and selective presynaptic dopamine autoreceptor antagonist. Naunyn Schmiedebergs Arch Pharmacol. 1994 Sep;350(3):230-8.				