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产品名称: **MTEP Hydrochloride**

产品别名: **MTEP Hydrochloride**

生物活性:						
Description	MTEP hydrochloride is a potent, selective and non-competitive mGlu5 antagonist with an IC50 of 5 nM and a Ki of 16 nM[1]. MTEP hydrochloride produces antiparkinsonian-like effects[2].					
IC50 & Target	IC50: 5 nM (mGluR5)[1] Ki: 16 nM (mGluR5)[1]					
In Vivo	MTEP hydrochloride (3-5 mg/2 ml/kg; i.p.) inhibits the catalepsy induced (0.5 mg/kg/2 ml; i.p.) by this neuroleptic[2].					
	Animal Model:	Male Wistar rats (weighing 215-315 g)[2]				
	Dosage:	3 or 5 mg/2 ml/kg				
	Administration:	Intraperitoneal injection				
	Result:	Inhibited the catalepsy induced by this neuroleptic.				
Solvent&Solubility	In Vitro: H2O : 20 mg/mL (84.49 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Mass</div><div>Concentration</div></div>	1 mg	5 mg	10 mg	
			1 mM	4.2244 mL	21.1220 mL	42.2440 mL
			5 mM	0.8449 mL	4.2244 mL	8.4488 mL
			10 mM	0.4224 mL	2.1122 mL	4.2244 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	[1]. Lea PM 4th, et al. Metabotropic glutamate receptor subtype 5 antagonists MPEP and MTEP. CNS Drug Rev. 2006 Summer;12(2):149-66. [2]. Ossowska K, et al. MTEP, a new selective antagonist of the metabotropic glutamate receptor subtype 5 (mGluR5), produces antiparkinsonian-like effects in rats. Neuropharmacology. 2005 Sep;49(4):447-55.					