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产品名称: **Guanethidine Monosulfate**
产品别名: 硫酸胍乙啶; **Guanethidine sulfate**

生物活性:

Description	Guanethidine sulfate (Guanethidine monosulfate) ia an antihypertensive agents. Guanethidine is also an adrenergic neurone blocking drug, enters noradrenergic nerve terminals by the neuronal amine carrier[1][2].				
In Vivo	Guanethidine (5-40 mg/kg; intraperitoneal injection; daily; for 4-28 days; male Wistar rats) treatment for 28 days by 40 mg/kg results in an incomplete sympathectomy accompanied by a partially irreversible hypersensitivity to noradrenaline, whereas 5 mg/kg does not induce histological or permanent haemodynamic changes[3].				
	Animal Model:	Male Wistar rats (approximately 200 g)[3]			
	Dosage:	5 mg/kg or 40 mg/kg			
	Administration:	Intraperitoneal injection; daily; for 4, 8, 14, or 28 days			
	Result:	Lowered the blood pressure by 40 mg/kg, the decrease being reversible on discontinuation. The hypersensitivity was partly reversible on discontinuation, but a significantly increased sensitivity of the heart rate to noradrenaline was observed 60 days after discontinuation by 40 mg/kg for 28 days. Histologically a profound loss of nerve cells of the superior cervical ganglion was observed by 40 mg/kg.			
Solvent&Solubility	In Vitro: H ₂ O : 125 mg/mL (421.74 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	3.3739 mL	16.8697 mL	33.7393 mL
		5 mM	0.6748 mL	3.3739 mL	6.7479 mL
		10 mM	0.3374 mL	1.6870 mL	3.3739 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]. Mitchell JR, et al. Antagonism of the antihypertensive action of guanethidine sulfate by desipramine hydrochloride. JAMA. 1967 Dec 4;202(10):973-6. [2]. Nielsen GD. Guanethidine induced sympathectomy in the adult rat. I. Functional effects following subacute administration. Acta Pharmacol Toxicol (Copenh). 1977 Sep;41(3):203-8. [3]. Fabiani ME, et al. Inhibition of sympathetic noradrenergic transmission by guanabenz and guanethidine in rat isolated mesenteric artery: involvement of neuronal potassium channels. Pharmacol Res. 1996 Mar;33(3):171-80.				