

产品名称：**Cisatracurium Besylate**

产品别名：顺苯磺酸阿曲库铵； **Cisatracurium besylate** ； **51W89**

生物活性：				
Description	Cisatracurium besylate (51W89) is a nondepolarizing neuromuscular blocking agent, antagonizing the action of acetylcholine by inhibiting neuromuscular transmission.			
IC ₅₀ & Target	AChR alpha-2[1][2].			
In Vitro	Cisatracurium Besylate (51W89) is a neuromuscular-blocking drug or skeletal muscle relaxant in the category of non-depolarizing neuromuscular-blocking drugs, used adjunctively in anesthesia to facilitate endotracheal intubation and to provide skeletal muscle relaxation during surgery or mechanical ventilation. It is a bisbenzyltetrahydroisoquinolinium agent with an intermediate duration of action. Cisatracurium Besylate (51W89) is one of the ten isomers of the parent molecule, atracurium. Moreover, cisatracurium represents approximately 15% of the atracurium mixture [1, 2].			
Solvent&Solubility	<i>In Vitro:</i> H₂O : ≥ 50 mg/mL (40.21 mM) * "≥" means soluble, but saturation unknown.			
	<div>Preparing Stock Solutions</div>	<div>Solvent / Mass / Concentration</div>	1 mg	5 mg
		1 mM	0.8042 mL	4.0210 mL
		5 mM	0.1608 mL	0.8042 mL
		10 mM	0.0804 mL	0.4021 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	<p>[1]. Dear, G.J., et al., Identification of urinary and biliary conjugated metabolites of the neuromuscular blocker 51W89 by liquid chromatography/mass spectrometry. Rapid Commun Mass Spectrom, 1995. 9(14): p. 1457-64.</p> <p>[2]. Serra, C.S. and A.C. Oliveira, Cisatracurium: myographical and electrophysiological studies in the isolated rat muscle. Fundam Clin Pharmacol, 2006. 20(3): p. 291-8.</p>			