

产品名称：溴化六甲铵

产品别名：Hexamethonium Bromide

生物活性：

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Description	Hexamethonium Bromide is a non-depolarising ganglionic blocker, a nicotinic nACh (NN) receptor antagonist. Target: nAChR Hexamethonium Bromide is a non-depolarising ganglionic blocker, a nicotinic nACh receptor antagonist that acts in autonomic ganglia by binding mostly in or on the NN receptor, and not the acetylcholine binding site itself. It does not have any effect on the muscarinic acetylcholine receptors (mAChR) located on target organs of the parasympathetic nervous system but acts as antagonist at the nicotinic acetylcholine receptors located in sympathetic and parasympathetic ganglia (NN). Hexamethonium Bromide is a nicotinic acetyl choline receptor antagonist. Induces apoptosis and inhibits the stimulatory effect of nicotine on endothelial cell DNA synthesis and proliferation. Hexamethonium bromide hydrate is an inhibitor of AChR α3 [1-3].				
Solvent&Solubility	In Vitro:				
	DMSO : ≥ 30 mg/mL (82.83 mM)				
	* "≥" means soluble, but saturation unknown.				
		Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.7610 mL	13.8049 mL	27.6098 mL
	5 mM	0.5522 mL	2.7610 mL	5.5220 mL	
	10 mM	0.2761 mL	1.3805 mL	2.7610 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]. Maneckjee, R. and J.D. Minna, <u>Opioids induce while nicotine suppresses apoptosis in human lung cancer cells</u> . Cell Growth Differ, 1994. 5(10): p. 1033-40.				
	[2]. Sanchez-Fortun, S., F. Sanz, and M.V. Barahona, <u>Acute toxicity of several organophosphorous insecticides and protection by cholinergic antagonists and 2-PAM on Artemia salina larvae</u> . Arch Environ Contam Toxicol, 1996. 31(3): p. 391-8.				
	[3]. Villablanca, A.C., <u>Nicotine stimulates DNA synthesis and proliferation in vascular endothelial cells in vitro</u> . J Appl Physiol (1985), 1998. 84(6): p. 2089-98.				