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产品名称: 磷酸胆碱

产品别名: **Phosphorylcholine chloride; 氯化磷酸胆碱**

生物活性:				
Description	Phosphorylcholine chloride (Phosphocholine chloride) is an antigenic cell-surface component found on many commensal and pathogenic bacteria that reside in the upper airway.			
In Vitro	Phosphorylcholine materials are bio-inspired polymers that mimic the extracellular surface of red blood cells, containing an exact chemical copy of the predominant zwitterionic phospholipid headgroup found in the cell lipid membrane. The phosphorylcholine side chain of the PC-polymer contains the phosphate moiety present in phosphatidylcholine and phosphatidylserine, the latter being membrane lipid component that is able to bind calcium and is implicated in biomineralization[1].			
Solvent&Solubility	<b>In Vitro:</b> <b>H<sub>2</sub>O : ≥ 150 mg/mL (683.06 mM)</b>  * "≥" means soluble, but saturation unknown.			
	<div>Preparing Stock Solutions</div>	<div>Solvent Mass Concentration</div>	1 mg	5 mg
		1 mM	4.5537 mL	22.7687 mL
		5 mM	0.9107 mL	4.5537 mL
		10 mM	0.4554 mL	2.2769 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°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。			
References	[1]. Lawton JM, et al. The effect of cationically-modified phosphorylcholine polymers on human osteoblasts in vitro and their effect on bone formation in vivo. J Mater Sci Mater Med. 2017 Aug 17;28(9):144.			