# Data Sheet (Cat.No.T6105)



## Phosphorylcholine chloride

#### **Chemical Properties**

CAS No.: 107-73-3

Formula: C5H15ClNO4P

Molecular Weight: 219.6

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

#### **Biological Description**

Description	Phosphorylcholine chloride, an antigenic component found on the surface of numerous commensal and pathogenic bacteria inhabiting the upper airway, is integral to bacterial cell surfaces.
Targets(IC50)	Others
In vitro	Increasing Phosphorylcholine(PC) positive surface charge increased HOb cell adhesion and stimulated increased cell differentiation and the production of calcium phosphate deposits.

### **Solubility Information**

Solubility DMSO: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

**Preparing Stock Solutions** 

.,(0)	1mg	5mg	10mg
1 mM	4.5537 mL	22.7687 mL	45.5373 mL
5 mM	0.9107 mL	4.5537 mL	9.1075 mL
10 mM	0.4554 mL	2.2769 mL	4.5537 mL
50 mM	0.0911 mL	0.4554 mL	0.9107 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

#### Reference

Lawton J M , Habib M , Ma B , et al. The effect of cationically-modified phosphorylcholine polymers on human osteoblasts in vitro and their effect on bone formation in vivo[J]. Journal of Materials Science: Materials in

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