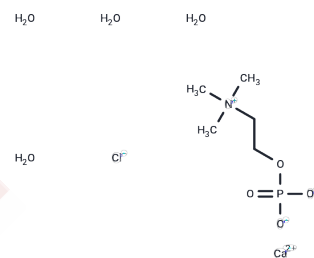


Phosphorylcholine chloride calcium salt tetrahydrate

Chemical Properties

CAS No. :	72556-74-2
Formula:	C ₅ H ₂₁ CaClNO ₈ P
Molecular Weight:	329.73
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Phosphorylcholine chloride calcium salt tetrahydrate (Phosphocholine chloride calcium salt tet) is a small haptenic molecule, is found in a wide variety of organisms. Human hepatic tumors undergo an elevation in the concentration of phosphorylcholine as the principal metabolic change is observed (PMID: 11076016). Phosphorylcholine chloride calcium salt tetrahydrate is the precursor metabolite of choline in the glycine, serine and threonine metabolism pathways (KEGG, map00260) and in intermediate between choline and cytidine-diphosphate choline in the glycerophospholipid metabolism pathway (KEGG, map00564).
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: 10 mM, Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0328 mL	15.1639 mL	30.3278 mL
5 mM	0.6066 mL	3.0328 mL	6.0656 mL
10 mM	0.3033 mL	1.5164 mL	3.0328 mL
50 mM	0.0607 mL	0.3033 mL	0.6066 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Walter A, Korth U, Hilgert M, Hartmann J, Weichel O, Hilgert M, Fassbender K, Schmitt A, Klein J:
Glycerophosphocholine is elevated in cerebrospinal fluid of Alzheimer patients. Neurobiol Aging. 2004 Nov-Dec;
25(10):1299-303.

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