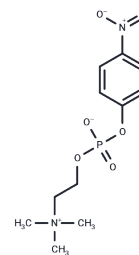


p-Nitrophenylphosphorylcholine

Chemical Properties

CAS No. :	21064-69-7
Formula:	C ₁₁ H ₁₇ N ₂ O ₆ P
Molecular Weight:	304.24
Storage:	Keep away from direct sunlight, Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	p-Nitrophenylphosphorylcholine is a chromogenic substrate for measuring phospholipase C activity, releasing p-nitrophenol that can be quantified at 405 nm.
Targets(IC50)	Others

Solubility Information

Solubility	PBS (pH 7.2): 10 mg/mL (32.87 mM), Sonication is recommended. DMF: 1 mg/mL (3.29 mM), Sonication is recommended. DMSO: 20 mg/mL (65.74 mM), Sonication is recommended. Ethanol: 10 mg/mL (32.87 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2869 mL	16.4344 mL	32.8688 mL
5 mM	0.6574 mL	3.2869 mL	6.5738 mL
10 mM	0.3287 mL	1.6434 mL	3.2869 mL
50 mM	0.0657 mL	0.3287 mL	0.6574 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

Berka, et al. Studies of phospholipase C (heat-labile hemolysin) in *Pseudomonas aeruginosa*. *Infect. Immun.* 34(3), 1071-1074 (1981).

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481