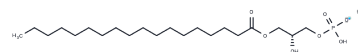


## 1-Stearoyl-sn-glycerol 3-phosphate sodium

## Chemical Properties

CAS No. :	325465-92-7
Formula:	C <sub>21</sub> H <sub>42</sub> NaO <sub>7</sub> P
Molecular Weight:	460.52
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	1-Stearoyl-sn-glycerol 3-phosphate sodium, a biologically active phospholipid, plays a crucial role in regulating cell motility, proliferation, invasion, survival, and the production of growth factors through interactions with G protein-coupled receptors (GPCR). Synthesized during the formation of membrane phospholipids, this compound typically has a low plasma concentration (approximately 100nM) and originates from various cell types, including activated platelets, epithelial cells, leukocytes, neuronal cells, and tumor cells. Its distinctive structure features stearic acid at the sn-1 position and a hydroxyl group at the sn-2 position.
Targets(IC50)	Others,Endogenous Metabolite,Acyltransferase,Liposome

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1715 mL	10.8573 mL	21.7146 mL
5 mM	0.4343 mL	2.1715 mL	4.3429 mL
10 mM	0.2171 mL	1.0857 mL	2.1715 mL
50 mM	0.0434 mL	0.2171 mL	0.4343 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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