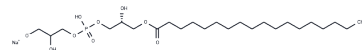


## 1-Stearoyl-2-hydroxy-sn-glycero-3-PG sodium

## Chemical Properties

CAS No. :	326495-23-2
Formula:	C <sub>24</sub> H <sub>48</sub> NaO <sub>9</sub> P
Molecular Weight:	534.6
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-2-hydroxy-sn-glycero-3-PG sodium (18:0 Lyso PG) is a lysophospholipid containing stearic acid at the sn-1 position. It is utilized in the generation of micelles, liposomes, and artificial membranes, serving as a critical component for lipid-based drug carrier systems.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8706 mL	9.3528 mL	18.7056 mL
5 mM	0.3741 mL	1.8706 mL	3.7411 mL
10 mM	0.1871 mL	0.9353 mL	1.8706 mL
50 mM	0.0374 mL	0.1871 mL	0.3741 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

- Jeschek, D., Lhota, G., Wallner, J., et al. A versatile, quantitative analytical method for pharmaceutical relevant lipids in drug delivery systems. *J. Pharm. Biomed. Anal.* 119, 37-44 (2016).
- Stark, B., Debbage, P., Andrae, F., et al. Association of vasoactive intestinal peptide with polymer-grafted liposomes: Structural aspects for pulmonary delivery. *Biochim. Biophys. Acta* 1768(3), 704-714 (2007).

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