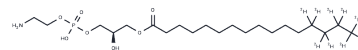


## 1-Palmitoyl-D9-2-hydroxy-sn-glycero-3-PE

## Chemical Properties

CAS No. :	2747981-09-3
Formula:	C21H35D9NO7P
Molecular Weight:	462.6
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-Palmitoyl-D9-2-hydroxy-sn-glycero-3-PE serves as an internal standard for quantifying 1-palmitoyl-2-hydroxy-sn-glycero-3-PE, a lysophospholipid naturally found to inhibit <i>L. donovani</i> promastigotes growth (GI <sub>50</sub> = 8 μM). Its levels are reduced in mice after alcohol-induced liver damage, in hepatocellular carcinoma mouse xenografts, and in humans following a rigorous three-day exercise regimen of 2.5 hours running daily and 14 hours post-regimen. This compound is also applied in measuring saturated lysophosphoethanolamines, highlighting its broad utility in biochemical research and disease model studies.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1617 mL	10.8085 mL	21.6169 mL
5 mM	0.4323 mL	2.1617 mL	4.3234 mL
10 mM	0.2162 mL	1.0808 mL	2.1617 mL
50 mM	0.0432 mL	0.2162 mL	0.4323 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.

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