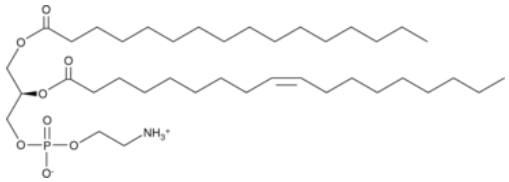
Product Data Sheet

Product Name: 1-Palmitoyl-2-Oleoyl-sn-glycero-3-PE
Cat. No.: GC90155

Chemical Properties

Cas. No.	26662-94-2		
Formula	$C_{39}H_{76}NO_8P$	M.Wt	718
Solubility	Chloroform: 100 mg/ml	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Background

1-Palmitoyl-2-oleoyl-*sn*-glycero-3-PE (1,2-POPE) is a phospholipid that contains palmitic acid and oleic acid at the *sn*-1 and *sn*-2 positions, respectively.[1] It is a major component of *E. coli* lipid bilayers, and vesicles composed of 1,2-POPE can be disrupted by polycationic antimicrobials.[1,2] 1,2-POPE has been used in combination with other lipids in the formation of lipid nanoparticles (LNPs) for spleen- and liver-specific targeting in mice.[3]

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA