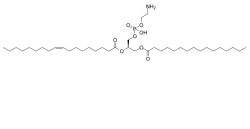
1-Palmitoyl-2-oleoyl-sn-glycero-3-PE

Cat. No.: **SN-M-LE868**

Chemical Properties

Product Name	1-Palmitoyl-2-oleoyl-sn-glycero-3-PE
Full Name	[(2R)-1-[2-aminoethoxy(hydroxy)phosphoryl]oxy-3-hexadecanoyloxypropan-2-yl] (Z)-octadec-9-enoate
Cat. No.	SN-M-LE868
CAS No.	26662-94-2
Molecular Formula	C39H76NO8P
PEG Molecular Weight	718.00
Appearance	固体
Storage	Powder -20°C 3 years
Shipping	Room temperature in continental US; may vary elsewhere.
Purity	98+%

Structure



Biological Description

1-Palmitoyl-2-oleoyl-sn-glycero-3-PE (1,2-POPE; 16:0-18:1 PE) 是一种磷脂酰乙醇胺 (PE) 类脂质。1-Palmitoyl-2-oleoyl-sn-glycero-3-PE 可在酸性环境中诱导脂质双层形成六方相（HII）结构，促进膜融合。1-Palmitoyl-2-oleoyl-sn-glycero-3-PE 能够增强脂质纳米颗粒 (LNPs) 的内体逃逸能力，提升 mRNA 等核酸药物的细胞递送效率。1-Palmitoyl-2-oleoyl-sn-glycero-3-PE 可用于基因疗法、mRNA 疫苗的 LNP 载体靶向。

Related Products / Keywords

- 1-Palmitoyl-2-oleoyl-sn-glycero-3-PE26662-94-21
- 2-POPE16:0-18:1 PELiposomephospholipiddrug deliveryInhibitorinhibitorinhibit

This product is a research reagent and must not be used for clinical validation or human therapeutic use.

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