

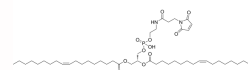
DOPE-Mal

Cat. No.: SN-M-LE805

Chemical Properties

Product Name	DOPE-Mal
Full Name	[(2R)-3-[2-[3-(2,5-dioxopyrrol-1-yl)propanoylamino]ethoxy-hydroxyphosphoryl]oxy-2-[(Z)-octadec-9-enoyl]oxypropyl] (Z)-octadec-9-enoate
Cat. No.	SN-M-LE805
CAS No.	2295813-15-7
Molecular Formula	C48H83N2O11P
Molecular Weight	895.15
Appearance	固体
Storage	-20°C, protect from light, stored under nitrogen
Shipping	Room temperature in continental US; may vary elsewhere.
Solubility	细胞实验: DMSO 中的溶解度: 6.25 mg/mL (6.98 mM; 超声助溶 (<60°C); 吸湿的 DMSO 对产品的溶解度有显著影响, 请使用新开封的 DMSO)
Purity	98+%

Structure



Biological Description

DOPE-Mal 是一种 N-马来酰亚胺衍生的磷脂酰乙醇胺。DOPE-Mal 不会干扰脂肪酰基链或改变脂质双分子层通透性, 可提高脂质双分子层有序性并降低流动性, 诱导磷脂极性头部发生构象变化并增强其水合作用。DOPE-Mal 可作为组分之一制备展示马来酰亚胺的脂质体, 通过马来酰亚胺-巯基偶联实现肽段偶联。DOPE-Mal 可用于制备脂质体 (Liposome) 以向肝细胞递送 Doxorubicin (HY-15142A)。DOPE-Mal 可用于肝细胞癌和肺癌的相关研究。

Related Products / Keywords

- DOPE-Mal2295813-15-7Liposomephosphatidylethanolamineautophagosome membranesHepG2 cellsAtg8lung cancerliposomeshuman hepatic cellslipid bilayerhepatocellular carcinomaKrasG12D
- Trp53fl/fl mouse lung cancer cellsInhibitorinhibitorinhibit

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