



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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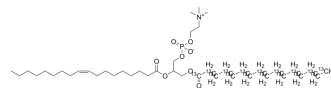
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1-Palmitoyl-2-oleoyl-sn-glycero-3-PC-¹³C₁₆

Cat. No.:	HY-130462S2
CAS No.:	2692624-41-0
Molecular Formula:	C ₂₆ ¹³ C ₁₆ H ₈₂ NO ₈ P
Molecular Weight:	775.96
Target:	Isotope-Labeled Compounds; Liposome
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

1-Palmitoyl-2-oleoyl-sn-glycero-3-PC-¹³C₁₆ (POPC-¹³C₁₆) is ¹³C labeled 1-Palmitoyl-2-oleoyl-sn-glycero-3-PC. 1-Palmitoyl-2-oleoyl-sn-glycero-3-PC (POPC), a phospholipid, is a major component of biological membranes. 1-Palmitoyl-2-oleoyl-sn-glycero-3-PC is used for the preparation of liposomes and studying the properties of lipid bilayers^{[1][2][3]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Moreno MJ, et al. Translocation of phospholipids and dithionite permeability in liquid-ordered and liquid-disordered membranes. *Biophys J*. 2006 Aug 1;91(3):873-81.
- [3]. Ferreira TM, et al. Cholesterol and POPC segmental order parameters in lipid membranes: solid state 1H-13C NMR and MD simulation studies. *Phys Chem Chem Phys*. 2013 Feb 14;15(6):1976-89.

Caution: Product has not been fully validated for medical applications. For research use only.

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