



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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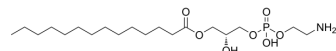
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1-Myristoyl-2-hydroxy-sn-glycero-3-phosphoethanolamine

Cat. No.:	HY-145547
CAS No.:	123060-40-2
Molecular Formula:	C ₁₉ H ₄₀ NO ₇ P
Molecular Weight:	425.5
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

1-Myristoyl-2-hydroxy-sn-glycero-3-phosphoethanolamine (14:0 Lyso PE) is a lysophospholipid with a phosphoethanolamine head and a myristoyl tail. The free amine group can conjugate with NHS active ester or coupled with carboxylic acid in the presence of a coupling agent. It also induces transient increases in intracellular calcium in PC12 cells [1]. Serum levels of 1-Myristoyl-2-hydroxy-sn-glycero-3-phosphoethanolamine are elevated in patients with malignant breast cancer compared to healthy controls[2].

REFERENCES

- [1]. Lee, J.M., Park, S.J., and Im, D.S. Lysophosphatidylethanolamine increases intracellular Ca²⁺ through LPA1 in PC-12 neuronal cells. *Biochem. Biophys. Res. Commun.* 461(2), 378-382 (2015).
- [2]. More, T.H., Bagadi, M., RoyChoudhury, S., et al. Comprehensive quantitative lipidomic approach to investigate serum phospholipid alterations in breast cancer. *Metabolomics* 13:3, (2017).

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

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