



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

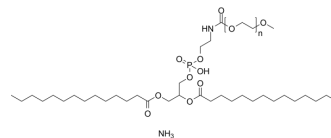
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

DMPE-PEG2000

Cat. No.:	HY-144006
CAS No.:	474922-82-2
Molecular Formula:	$(C_2H_4O)_n C_{35}H_{68}NO_{10}P.NH_3$
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (Need ultrasonic)
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BIOLOGICAL ACTIVITY

Description	DMPE-PEG2000 (14:0 PEG2000 PE) is a PEG-phospholipid conjugate to prepare nanostructured lipid carrier ^[1] .
In Vitro	DMPE-PEG2000 has a unique amphiphilic structure, DMPE is hydrophobic and PEG is hydrophilic. This structure enables it to not only interact with the hydrophobic part of other lipid components in the liposome, stabilize the double-layer structure of the liposome, but also improve the dispersion and stability of the liposome in the aqueous environment by the hydrophilicity of the PEG chain ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Do HD, et, al. Development of Theranostic Cationic Liposomes Designed for Image-Guided Delivery of Nucleic Acid. *Pharmaceutics*. 2020 Sep 8;12(9):854.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA