



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) 

PRODUCT INFORMATION



DSPE-PEG(2000)-NHS

Item No. 37275

Formal Name: (2R)-3-(((14-((2,5-dioxopyrrolidin-1-yl)oxy)-4,14-dioxo-5,8,11-trioxa-3-azatetradecyl)oxy)(hydroxy)phosphoryl)oxy)propane-1,2-diyl distearate

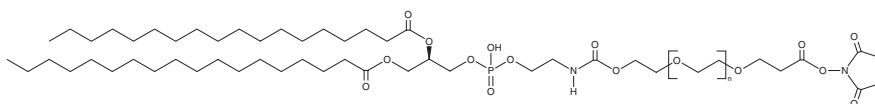
MF: $(C_{2}H_{4}O)_n C_{51}H_{93}N_2O_{15}P$

Purity: $\geq 90\%$ (mixture of isomers)

Supplied as: A solid

Storage: $-20^{\circ}C$

Stability: ≥ 4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

DSPE-PEG(2000)-NHS is supplied as a solid. A stock solution may be made by dissolving the DSPE-PEG(2000)-NHS in the solvent of choice, which should be purged with an inert gas. DSPE-PEG(2000)-NHS is soluble in the organic solvent ethanol at a concentration of approximately 5 mg/ml.

Description

DSPE-PEG(2000)-NHS is a PEGylated derivative of 1,2-distearoyl-sn-glycero-3-PE (DSPE; Item No. 15095).¹ It has been used in the generation of micelles and in combination with other lipids in the formation of liposomes. DSPE-PEG(2000)-NHS-containing liposomes localize to the liver and tumor after intravenous administration in mice. Liposomes containing DSPE-PEG(2000)-NHS conjugated to the breast cancer targeting H6 peptide and encapsulating the DNA topoisomerase inhibitor doxorubicin (Item No. 15007) reduce tumor growth in an SK-BR-3 breast cancer mouse xenograft model.

Reference

1. Jia, X., Wang, W., Han, Q., *et al.* Micromixer based preparation of functionalized liposomes and targeting drug delivery. *ACS Med. Chem. Lett.* **7(4)**, 429-434 (2016).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 12/21/2022

CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA

PHONE: [800] 364-9897
[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM