



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

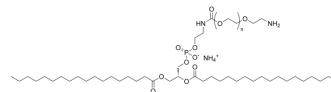
mail@szabo-scandic.com

www.szabo-scandic.com

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

DSPE-PEG-Amine, MW 10000 ammonium

Cat. No.:	HY-155908
CAS No.:	474922-26-4
Molecular Formula:	$(C_2H_4O)_nN_2O_{10}P.NH_3$
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

DSPE-PEG-Amine, MW 10000 (ammonium) is a phosphoethanolamine involved in the synthesis of liposomes for delivery systems. The amino group of DSPE-PEG-Amine, MW 10000 (ammonium) can be converted into aromatic aldehydes by reacting with acetone-protected aromatic hydrazines on the surface of bovine carbonic anhydrase (BCA) molecules. Liposomes form a liposome-BAH-BCA conjugate by forming a bisarylhydrazone (BAH) with the target enzyme molecule. The conjugate catalyzes the hydration of carbon dioxide to bicarbonate.

REFERENCES

[1]. Nagata H, et al. Preparation and Catalytic Properties of Carbonic Anhydrase Conjugated to Liposomes through a Bis-Aryl Hydrazone Bond. ACS Omega. 2023 May 16;8(21):18637-18652.

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