



# 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

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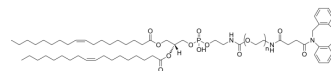
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## DOPE-PEG-DBCO (MW 2000)

<b>Cat. No.:</b>	HY-164035
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (Need ultrasonic)
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### BIOLOGICAL ACTIVITY

<b>Description</b>	DOPE-PEG-DBCO (MW 2000) is a PEG lipid with a DOPE and a DBCO as functional groups. DOPE can be used as a helper lipid in gene transfection. PEG is used in drug delivery system. DBCO can be used for click chemistry <sup>[1][2][3]</sup> .
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### REFERENCES

- [1]. Mochizuki S, et al., The role of the helper lipid dioleoylphosphatidylethanolamine (DOPE) for DNA transfection cooperating with a cationic lipid bearing ethylenediamine. *Biochim Biophys Acta*. 2013 Feb;1828(2):412-8.
- [2]. Yoon HI, et al., Bioorthogonal Copper Free Click Chemistry for Labeling and Tracking of Chondrocytes In Vivo. *Bioconjug Chem*. 2016 Apr 20;27(4):927-36.
- [3]. D'souza AA, et al., Polyethylene glycol (PEG): a versatile polymer for pharmaceutical applications. *Expert Opin Drug Deliv*. 2016 Sep;13(9):1257-75.

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

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