



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### 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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

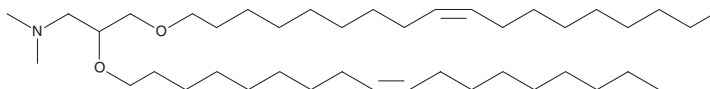
# PRODUCT INFORMATION



## 1,2-Dioleoyloxy-3-dimethylamino-propane

Item No. 15109

**CAS Registry No.:** 104162-47-2  
**Formal Name:** N,N-dimethyl-2,3-bis[(9Z)-9-octadecen-1-yloxy]-1-propanamine  
**Synonyms:** DODMA, MBN 305A  
**MF:** C<sub>41</sub>H<sub>81</sub>NO<sub>2</sub>  
**FW:** 620.1  
**Purity:** ≥98%  
**Supplied as:** A solution in ethanol  
**Storage:** -20°C  
**Stability:** ≥1 year



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

### Laboratory Procedures

1,2-Dioleoyloxy-3-dimethylamino-propane (DODMA) is supplied as a solution in ethanol. To change the solvent, simply evaporate the ethanol under a gentle stream of nitrogen and immediately add the solvent of choice. DODMA is soluble in the organic solvent dimethyl formamide at a concentration of approximately 12 mg/ml.

### Description

DODMA is a cationic lipid containing the unsaturated long-chain (18:1) oleic acid inserted at both the *sn*-1 and *sn*-2 positions. It has been used in the composition of liposomes formulated as stable nucleic acid lipid particles that can encapsulate siRNA or other small molecules to be used for drug delivery.<sup>1,2</sup>

### References

1. Fenske, D.B., Chonn, A., and Cullis, P.R. Liposomal nanomedicines: An emerging field. *Toxicol. Pathol.* **36**(1), 21-29 (2008).
2. Heyes, J., Palmer, L., Bremner, K., *et al.* Cationic lipid saturation influences intracellular delivery of encapsulated nucleic acids. *J. Control. Release* **107**(2), 276-287 (2005).

**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.

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### 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