



# 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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# PRODUCT INFORMATION



## Lipid DIM1

Item No. 40512

**CAS Registry No.:** 2820155-36-8  
**Formal Name:** 1,1',1'',1'''-((((3R,3aS,6S,6aS)-hexahydrofuro[3,2-b]furan-3,6-diyl)bis(oxy))bis(propane-3,1-diyl))bis(azanetriyl)tetrakis(dodecan-2-ol)

**MF:** C<sub>60</sub>H<sub>120</sub>N<sub>2</sub>O<sub>8</sub>

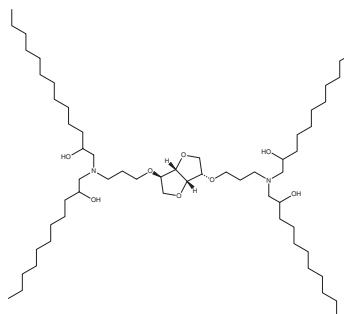
**FW:** 997.6

**Purity:** ≥95%

**Supplied as:** A solution in ethanol

**Storage:** -20°C

**Stability:** ≥4 years



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

### Laboratory Procedures

Lipid DIM1 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. Lipid DIM1 is sparingly soluble (1-10 mg/ml) in chloroform and slightly soluble (0.1-1 mg/ml) in methanol purged with an inert gas.

### Description

Lipid DIM1 is an ionizable cationic lipid that has been used in combination with other lipids in the formation of lipid nanoparticles (LNPs) for mRNA delivery *in vitro*.<sup>1</sup> LNPs containing lipid DIM1 and encapsulating mRNA encoding a luciferase reporter induce luminescence in primary mouse adipose stem cells (ASCs).

### Reference

1. Xue, Y., Zhang, Y., Zhong, Y., *et al.* LNP-RNA-engineered adipose stem cells for accelerated diabetic wound healing. *Nat. Commun.* **15**(1), 739 (2024).

#### 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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