



# 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

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# PRODUCT INFORMATION



## Lipid 23

Item No. 38862

**Formal Name:** 8-((2-((4-(dimethylamino)butanoyl)oxy)ethyl)(10-oxo-10-(tridecan-7-yloxy)decyl)amino)octyl 2-hexyldecanoate

**MF:** C<sub>55</sub>H<sub>108</sub>N<sub>2</sub>O<sub>6</sub>

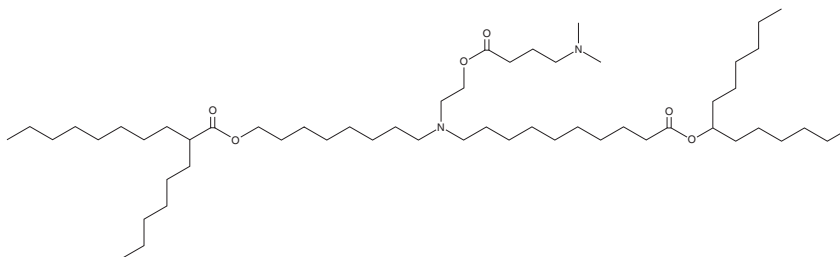
**FW:** 893.5

**Purity:** ≥95%

**Supplied as:** A solution in methyl acetate

**Storage:** -20°C

**Stability:** ≥2 years



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

### Description

Lipid 23 is an ionizable cationic amino lipid ( $pK_a = 5.7$ ) that has been used with other lipids in the formulation of lipid nanoparticles (LNPs).<sup>1</sup> Intravenous administration of LNPs containing lipid 23 and encapsulating an mRNA reporter accumulate specifically in the mouse liver.

### Reference

1. Naidu, G.S., Yong, S.-B., Ramishetti, S., *et al.* A combinatorial library of lipid nanoparticles for cell type-specific mRNA delivery. *Adv. Sci. (Weinh)* **10(19)**, e2301929 (2023).

#### 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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