



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# PRODUCT INFORMATION



## RCB-4-8

Item No. 38803

**CAS Registry No.:** 2941228-91-5  
**Formal Name:** bis((Z)-12-(((non-2-yn-1-yloxy) carbonyl)oxy)octadec-9-en-1-yl) 3,3'-((2-(diethylamino)ethyl) azanediy)ldipropionate

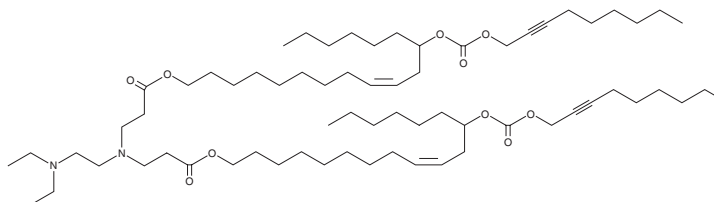
**MF:** C<sub>68</sub>H<sub>120</sub>N<sub>2</sub>O<sub>10</sub>  
**FW:** 1,125.7

**Purity:** ≥95%

**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.

### Description

RCB-4-8 is an ionizable cationic lipid that has been used in the formation of lipid nanoparticles (LNPs) for the delivery of mRNA.<sup>1</sup> RCB-4-8-containing LNPs improve lung transfection efficiency by approximately 100-fold over MC3-containing LNPs in mice.

### Reference

1. Li, B., Manan, R.S., Liang, S.-Q., *et al.* Combinatorial design of nanoparticles for pulmonary mRNA delivery and genome editing. *Nat. Biotechnol.* Online ahead of print, (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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