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Produktinformation



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION



RM 133-3

Item No. 38917

CAS Registry No.: 2941228-90-4
Formal Name: (9Z,9'Z)-((3,3'-((3-(diethylamino)propyl)azanediyl)bis(propanoyl))bis(oxy))bis(octadec-9-ene-18,7-diyl) (5Z,5'Z,8Z,8'Z,11Z,11'Z,14Z,14'Z,17Z,17'Z)-bis(icos-5,8,11,14,17-pentaenoate)

MF: C₈₉H₁₅₀N₂O₈

FW: 1,376.2

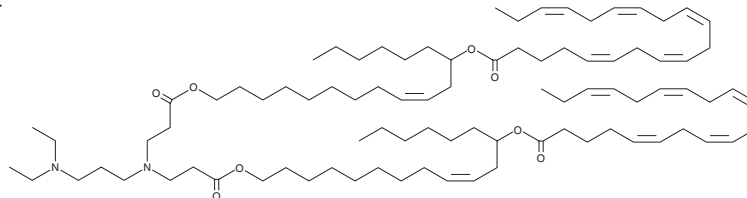
Purity: ≥95%

Supplied as: A solution in ethanol

Storage: -20°C

Stability: ≥3 years

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



Description

RM 133-3 is an ionizable cationic lipid that has been used in the formation of lipid nanoparticles (LNPs) for the delivery of mRNA *in vivo*.¹ LNPs containing RM 133-3 and encapsulating mRNA encoding human erythropoietin (EPO) increase serum human EPO protein levels in mice.

Reference

1. Rhym, L.H., Manan, R.S., Koller, A., *et al.* Peptide-encoding mRNA barcodes for the high-throughput *in vivo* screening of libraries of lipid nanoparticles for mRNA delivery. *Nat. Biomed. Eng.* **7(7)**, 901-910 (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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