



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION



Lipid 29

Item No. 35337

CAS Registry No.: 2244716-55-8
Formal Name: 8-[[8-[(1-ethylonyl)oxy]-8-oxooctyl]
[3-[[2-(methylamino)-3,4-dioxo-1-
cyclobuten-1-yl]amino]propyl]amino]-
octanoic acid, 1-octylonyl ester

MF: C₅₂H₉₇N₃O₆

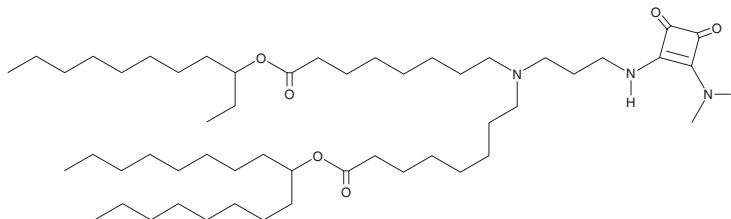
FW: 860.4

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.

Description

Lipid 29 is an ionizable cationic amino lipid ($pK_a = 6.91$) that has been used in combination with other lipids in the formation of lipid nanoparticles (LNPs).¹ Administration of human erythropoietin (EPO) mRNA in lipid 29-containing LNPs increases serum EPO levels in mice.

Reference

1. Cornebise, M., Narayanan, E., Xia, Y., *et al.* Discovery of a novel amino lipid that improves lipid nanoparticle performance through specific interactions with mRNA. *Adv. Funct. Mater.* **32(8)**, 2106727(1-12) (2021).

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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