PRODUCT INFORMATION

Lipid C6O2

Item No. 46658

Formal Name: didodecyl 3,3'-((2-(4-(2-((2-(bis(3-(dodecyloxy)-3-oxopropyl)amino)ethyl)(3-(dodecyloxy)-3-oxopropyl)amino)ethyl)piperazin-1-yl)ethyl)azanediyl)dipropionate

MF: $C_{85}H_{165}N_5O_{10}$

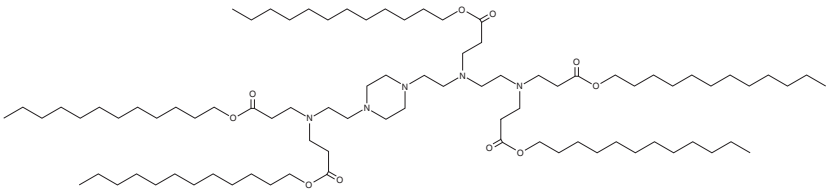
FW: 1,417.3

Purity: ≥95%

Supplied as: A 10 mg/ml solution in methyl acetate

Storage: -20°C

Stability: ≥4 years



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

Description

Lipid C6O2 is an ionizable cationic lipid that has been used as a building block in the synthesis of the cholesterol-conjugated ionizable cationic lipid C6O2B2, which has been used in the formation of blood-brain barrier-targeting lipid nanoparticles (LNPs).[1]

Reference

1. Tian, Z., Wang, X., Benitez, A.P., *et al.* Esterified cholesterol conjugates enable LNP-mediated mRNA delivery to the blood–brain barrier following intravenous administration. *Adv. Mat.* e74762 (2026).

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.

WARRANTY AND LIMITATION OF REMEDY
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