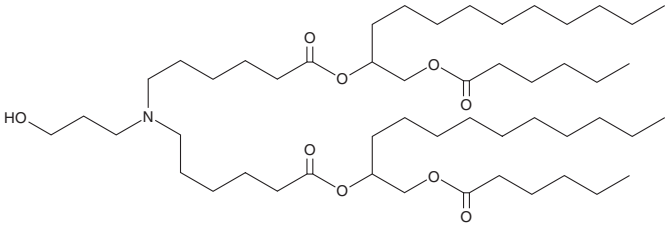
PRODUCT INFORMATION

ILB-3132

Item No. 44996

Formal Name:	*bis*(1-(hexanoyloxy)dodecan-2-yl) 6,6'-((3-hydroxypropyl)azanediyl)dihexanoate
Synonym:	E12LA6B6O3
MF:	$C_{51}H_{97}NO_9$
FW:	868.3
Purity:	≥90%
Supplied as:	A 10 mg/ml solution in ethanol
Storage:	-20°C
Stability:	≥4 years



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

Description

ILB-3132 is an ionizable cationic lipid that has been used in the generation of lipid nanoparticles (LNPs) for the delivery of mRNA *in vitro* and *in vivo*.[1] LNPs containing ILB-3132 and encapsulating luciferase mRNA induce luciferase expression in primary mouse bone marrow-derived dendritic cells (BMDCs). ILB-3132-containing and ovalbumin mRNA-encapsulating LNPs reduce tumor growth in a B16-OVA murine melanoma model.

Reference

1. Wanyin, F., Haoyong, Q., Yan, X., et al. Amino lipids, lipid nanoparticles and their applications. *Beijing Luhao Intellectual Property Agency Co., Ltd.*, **CN118724740A**, (2024).

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
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 05/21/2026

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM