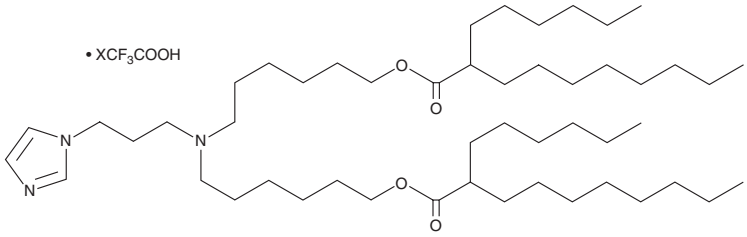
PRODUCT INFORMATION

LNP Lipid-3 (trifluoroacetate salt)

Item No. 38587

Formal Name:	1,1′-[[[3-(1H-imidazol-1-yl)propyl] imino]di-6 2-hexyl-decanoic acid, 1-hexanediyl] ester, trifluoroacetate salt
Synonym:	Lipid 10a-26
MF:	$C_{50}H_{95}N_3O_4 \bullet XCF_3COOH$
FW:	802.3
Purity:	≥95%
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.

Laboratory Procedures

LNP lipid-3 is supplied as a solution in ethanol. To change the solvent, simply evaporate the LNP lipid-3 under a gentle stream of nitrogen and immediately add the solvent of choice, which should be purged with an inert gas. LNP lipid-3 is soluble in chloroform and methanol.

Description

LNP lipid-3 is an ionizable cationic lipid that has been used in the formation of lipid nanoparticles (LNPs) for the delivery of circular RNA *in vivo*.[1] LNPs containing LNP lipid-3 and encapsulating luciferase mRNA accumulate in the liver and spleen and show increased overall luciferase activity compared to LNPs formulated with lipids 22-S14 and 93-S14.

Reference

1. Goodman, B., Wesselhoeft, A., Horhota, A.T., *et al.* Circular RNA compositions and methods. *Orna Therapeutics, Inc.* **WO2021/113777A2** (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.

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.

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