

PRODUCT INFORMATION



503O₁₃

Item No. 38628

CAS Registry No.: 1566560-20-0

Formal Name: 7,11-dimethyl-4,14-bis[3-oxo-3-(tridecyloxy)propyl]-4,7,11,14-tetraazaheptadecanedioic acid, 1,17-ditridecyl ester

MF: C₇₃H₁₄₄N₄O₈

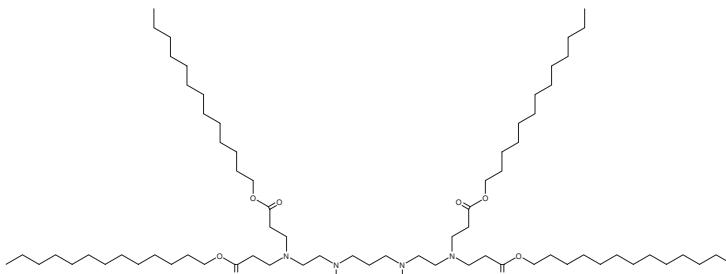
FW: 1,206.0

Purity: 90%

Supplied as: A solution in ethanol

Storage: -20°C

Stability: ≥2 years



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

Laboratory Procedures

503O₁₃ is supplied as a solution in ethanol. To change the solvent, simply evaporate the ethanol under a gentle stream of nitrogen and immediately add the solvent of choice. 503O₁₃ is soluble in methanol.

Description

503O₁₃ is an ionizable cationic lipidoid that has been used in the generation of lipid nanoparticles (LNPs) for the delivery of siRNA *in vivo*.¹ LNPs containing 503O₁₃ and encapsulating siRNA targeting mRNA encoding Factor VII decrease serum Factor VII levels in mice.

Reference

1. Whitehead, K.A., Dorkin, J.R., Vegas, A.J., et al. Degradable lipid nanoparticles with predictable *in vivo* siRNA delivery activity. *Nat. Commun.* 5, 4277 (2014).

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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