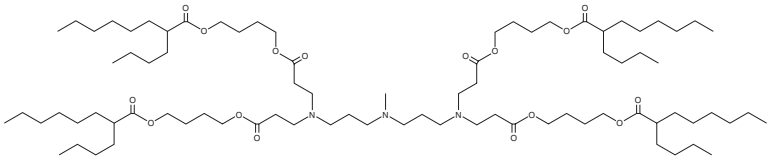
PRODUCT INFORMATION

Lipid AX4

Item No. 39070

CAS Registry No.: 2735814-23-8
MF: $C_{83}H_{155}N_3O_{16}$
FW: 1,451.2
Purity: ≥95%
Supplied as: A solution in methyl acetate
Storage: -20°C
Stability: ≥3 years



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

Description

Lipid AX4 is an ionizable cationic lipid (p*K*a = 6.89) that has been used in the formation of lipid nanoparticles (LNPs) for the delivery of mRNA *in vivo*.[1] Administration of LNPs containing lipid AX4 and encapsulating severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) Delta variant mRNA encoding the SARS-CoV-2 spike glycoprotein, also known as surface glycoprotein, receptor-binding domain (RBD) induces the production of antibodies that bind to the SARS-CoV-2 spike RBD in mice.

Reference

1. Huang, K., Li, N., Li, Y., *et al.* Delivery of circular mRNA via degradable lipid nanoparticles against SARS-CoV-2 Delta variant. *bioRxiv* (2022).

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