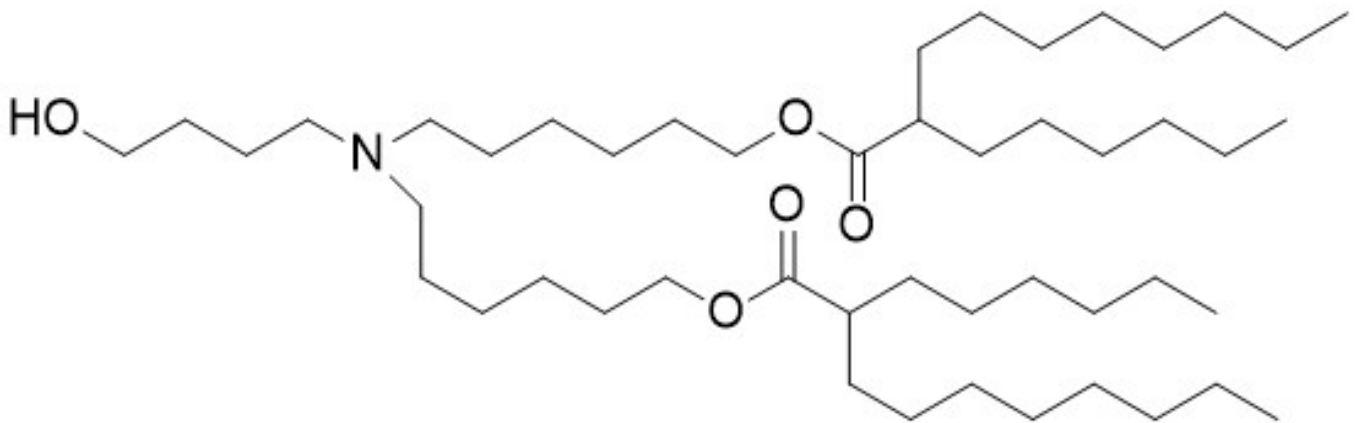


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ALC-0315

Product Number: N-1020

\$75.00 - \$390.00

-	0	+	5mg (N-1020)	\$75.00
-	0	+	10mg (N-1020)	\$125.00
-	0	+	50mg (N-1020)	\$390.00

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SKU: N-1020

Category: [Lipids](#)Tag: [nanoparticles](#)

Description

Additional Information

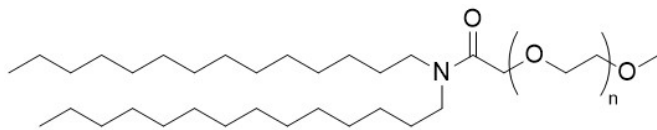
Documentation

ALC-0315 is an ionizable lipid which has been used to form lipid nanoparticles for delivery of RNA. ALC-0315 is one of the components in the BNT162b2 vaccine against SARS-CoV-2 in addition to ALC-0159, DSPC, and cholesterol. This is a reagent grade product, for research use only.

References

- 1) R. Tenchov, R. Bird, A. E. Curtze, Q. Zhou (2021) "Lipid Nanoparticles—From Liposomes to mRNA Vaccine Delivery, a Landscape of Research Diversity and Advancement" ACS Nano, DOI: 10.1021/acsnano.1c04996.
- 2) K.H. Moss, P. Popova, et al. (2019) "Lipid Nanoparticles for Delivery of Therapeutic RNA Oligonucleotides" Mol. Pharmaceutics 16, 2265–2277, DOI: 10.1021/acs.molpharmaceut.8b01290.
- 3) Y. Duan, A. Dhar, et al. (2020) "A brief review on solid lipid nanoparticles: part and parcel of contemporary drug delivery systems" RSC Adv.,10, 26777-26791.

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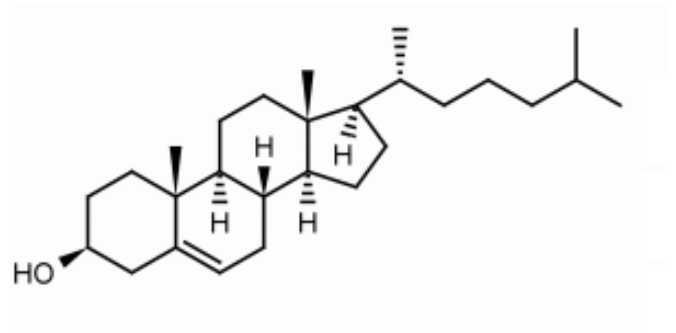
Lipids

ALC-0159

Product Number: N-2010

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Lipids

Cholesterol

Product Number: L-6012

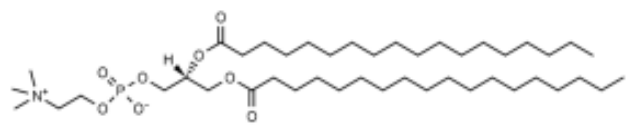
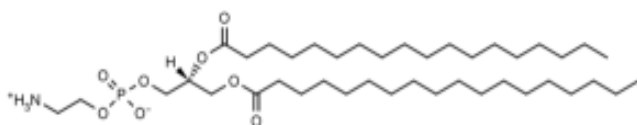
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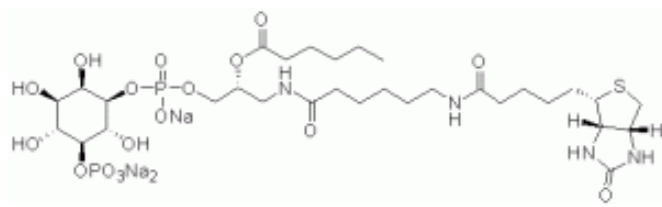
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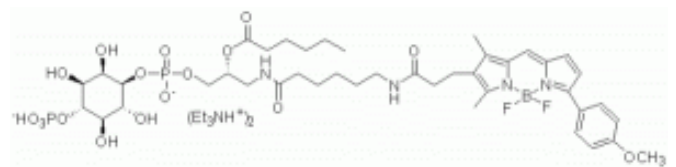
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Product Number: C-05B6A

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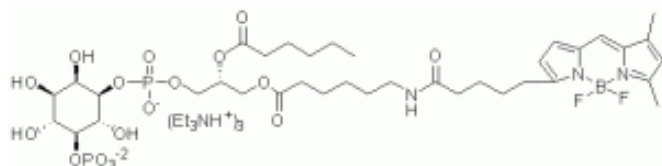
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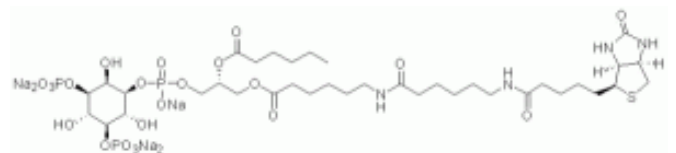
Lipids

BODIPY FL PI(5)P

Product Number: C-05F6

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Lipids

Biotin Phosphatidylinositol 3,5-bisphosphate

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