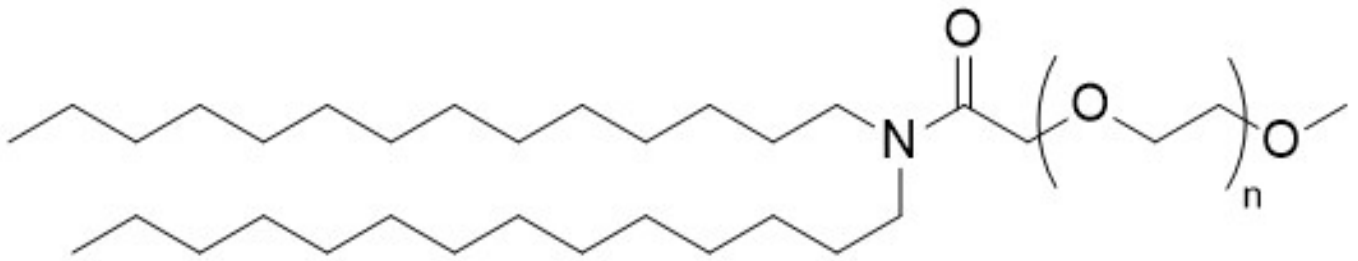


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## ALC-0159

Product Number: N-2010

\$125.00 - \$495.00

-	0	+	5mg (N-2010)	\$125.00
-	0	+	10mg (N-2010)	\$225.00
-	0	+	25mg (N-2010)	\$495.00

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SKU: N-2010

Category: [Lipids](#)

Tag: [nanoparticles](#)

### Description

### Additional Information

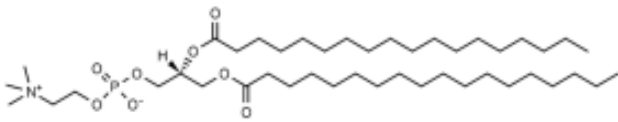
### Documentation

ALC-0159 is a PEGylated lipid which has been used to form lipid nanoparticles for delivery of RNA. ALC-0159 is one of the components in the BNT162b2 vaccine against SARS-CoV-2 in addition to ALC-0315, 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

### DSPC (18:0/18:0 PC)

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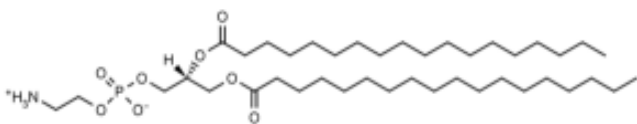
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### DSPE (18:0/18:0 PE)

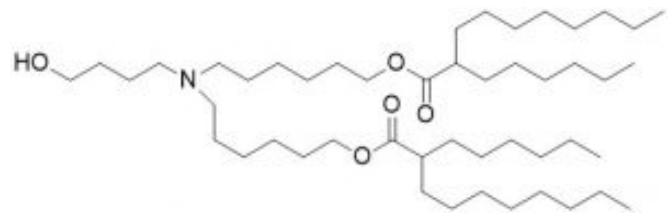
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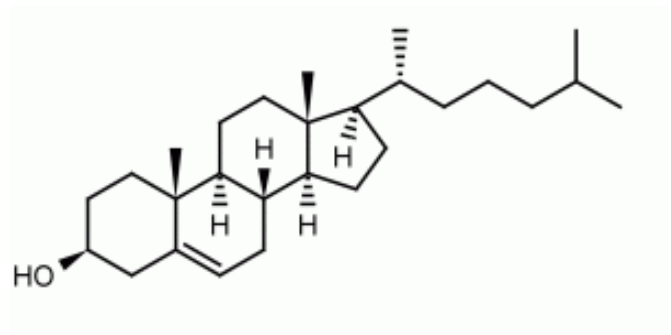
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### ALC-0315

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### Cholesterol

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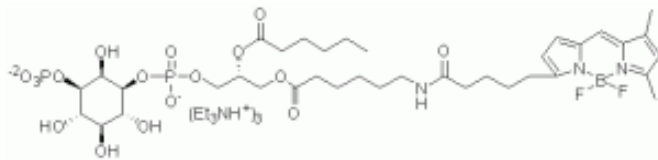
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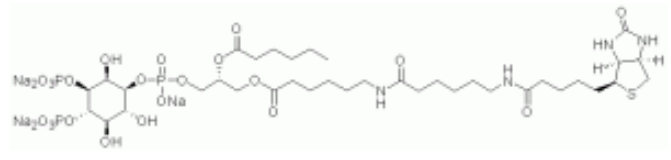
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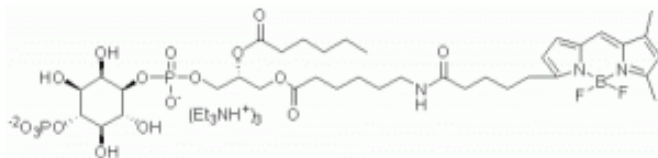
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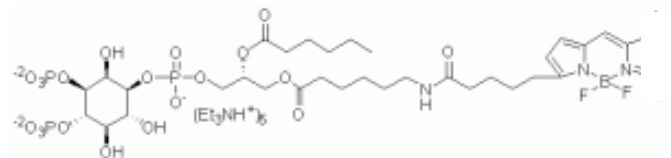
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