

Product Data Sheet

Product Name: 113-N16B

Cat. No.: GC73480

Chemical Properties

Cas. No.

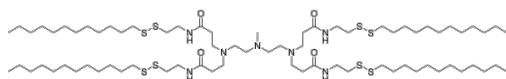
Formula $C_{73}H_{147}N_7O_4S_8$ M.Wt 1443.51

Solubility DMSO : 125 mg/mL (86.59 mM); Storage -20°C
Need ultrasonic and warming)

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

113-N16B is an ionizable cationic lipid used for the generation of lipid nanoparticles (LNPs). 113-N16B delivers mRNA preferentially to pulmonary endothelial cells.

References:

[1]. Qiu M, Tang Y, Chen J, et al. Lung-selective mRNA delivery of synthetic lipid nanoparticles for the treatment of pulmonary lymphangioleiomyomatosis. Proc Natl Acad Sci U S A. 2022;119(8):e2116271119.

Caution: Product has not been fully validated for medical applications. For research use only.

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