

Product Data Sheet

Product Name: 113-O16B

Cat. No.: GC52255

Chemical Properties

Cas. No. 2566523-07-5

SMILES O=C(CCN(CCN(CCN(CCC(OCCSSCCCCCCCCCCCCC)=O)CCC(OCCSSCCCCCCCCCCC=O)C)CCC(OCCSSCCCCCCCCCCCCC)=O)OCCSSCCCCCCCCCCCCC

Formula C73H143N3O8S8 M.Wt 1447.5

Solubility Ethanol: soluble Storage -20°C

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

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

Structure



Background

113-O16B is a disulfide bond-containing ionizable cationic lipidoid.¹ It has been used in the generation of lipid nanoparticles (LNPs) for the delivery of mRNA.

1.Chen, J., Ye, Z., Huang, C., et al.Lipid nanoparticle-mediated lymph node-targeting delivery of mRNA cancer vaccine elicits robust CD8+ T cell responseProc. Natl. Acad. Sci. USA119(34)e2207841119(2022)

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA