

Product Data Sheet

Product Name: 93-O17S

Cat. No.: GC49238

Chemical Properties

Cas. No. 2227008-67-3

SMILES O=C(OCCSCCCCCCCCCCCCCCCC)CCN(CCCN1C=NC=C1)CCC(OCCSCCCCCCCCCCCCCCCC)=O

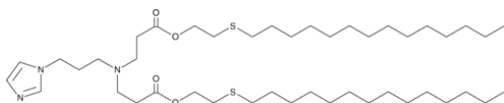
Formula C₄₄H₈₃N₃O₄S₂ M.Wt 782.3

Solubility Chloroform: 100 mg/ml 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

93-O17S is a chalcogen-containing cationic lipidoid.¹ It has been used in the synthesis of lipid nanoparticles (LPNs) for the delivery of Cre recombinase and ribonucleoproteins for genome editing in mice. LPNs containing 93-O17S have been used for the intratumoral delivery of cGAMP to enhance cross-presentation of tumor antigens and stimulation of interferon genes (STING) activation in a B16/F10 murine melanoma model.²

1.Li, Y., Yang, T., Yu, Y., et al. Combinatorial library of chalcogen-containing lipidoids for intracellular delivery of genome-editing proteins *Biomaterials* 178652-662(2018) 2.Chen, J., Qiu, M., Ye, Z., et al. In situ cancer vaccination using lipidoid nanoparticles *Sci. Adv.* 7(19)eabf1244(2021)

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

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