

Product Data Sheet

Product Name: CP-LC-1074

Cat. No.: GC92087

Chemical Properties

Cas. No.

SMILES O=C(NCCN(C)C)C(CCSCCC(OCCCCCCCCCCCCCCCCC)=O)NC(CCCCC(CCSCCC(OCCCCCCCCC)=O)SCCC(OCCCCCCCCC)=O)=O

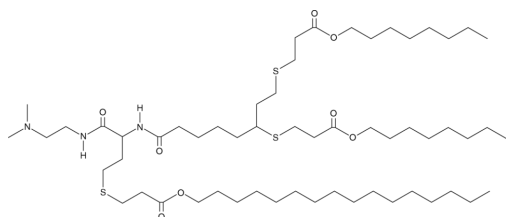
Formula $C_{57}H_{109}N_3O_8S_3$ M.Wt 1060.7

Solubility Ethanol: Soluble: ≥ 10 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

Lipid CP-LC-1074 is an ionizable cationic amino lipid derived from homocysteine, a naturally occurring amino acid. This lipid has demonstrated an efficient delivery and high protein expression of different kinds of RNA (mRNA, cRNA and saRNA) *in vivo*. Moreover, using a typical LNP formulation (IL/Ch/DOPE/PEG: 50/38.5/10/1.5), it has shown to induce specific lung targeting much more efficiently than other commercial alternatives through IV injection, with no signs of toxicity.

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