

Product Data Sheet

Product Name: CP-LC-1143

Cat. No.: GC92059

Chemical Properties

Cas. No. 3040859-45-5

Chemical Name 3-[[4-[[2-(dimethylamino)ethyl]amino]-3-[(2-hexyl-1-oxodecyl)amino]-4-oxobutyl]thio]-propanoic acid, 9Z,12Z-octadecadien-1-yl ester

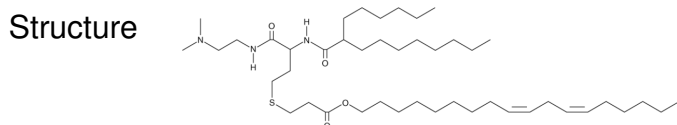
SMILES O=C(C(NC(C(CCCCCCCC)CCCCC)=O)CCSCCC(OCCCCCCCC/C=C\C/C=C\CCCCC)=O)NCCN(C)C

Formula $C_{45}H_{85}N_3O_4S$ M.Wt 764.2

Solubility Ethanol: Soluble: ≥ 10 mg/ml Storage $-20^{\circ}C$

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

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



Background

Lipid CP-LC-1143 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*, with no signs of toxicity.

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

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