

Product Data Sheet

Product Name: CP-LC-0867

Cat. No.: GC92046

Chemical Properties

Cas. No. 3040858-96-3

Chemical Name 3-[[4-[[2-(dimethylamino)ethyl]amino]-3-[(2-octyl-1-oxododecyl)amino]-4-oxobutyl]thio]-propanoic acid, 2-ethylhexyl ester

SMILES O=C(C(NC(C(CCCCCCCCCC)CCCCCCCC)=O)CCSCCC(OCC(CC)CCCC)=O)NCCN(C)C

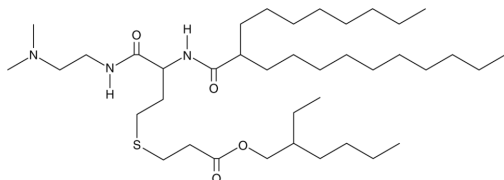
Formula $C_{39}H_{77}N_3O_4S$ M.Wt 684.1

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.

Structure



Background

Lipid CP-LC-0867 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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