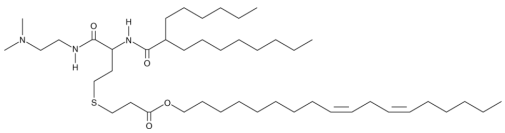
Product Data Sheet

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