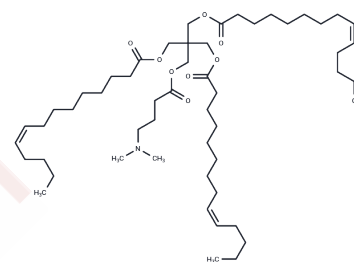


TCL053

Chemical Properties

CAS No. : 2361162-70-9
 Formula: C53H95NO8
 Molecular Weight: 874.32
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	TCL053, an ionizable lipid carrier, efficiently facilitates the introduction of active components, particularly nucleic acids, into cells. In combination with Dipalmitoylphosphatidylcholine (DPPC), Polyethylene glycol dimyristoyl glycerol (PEG-DMG), and cholesterol, TCL053 composes a lipid nanoparticle (LNP) system capable of delivering Cas9 mRNA and sgRNA into skeletal muscle [1] [2].
Targets(IC50)	Others,Liposome

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1437 mL	5.7187 mL	11.4375 mL
5 mM	0.2287 mL	1.1437 mL	2.2875 mL
10 mM	0.1144 mL	0.5719 mL	1.1437 mL
50 mM	0.0229 mL	0.1144 mL	0.2287 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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