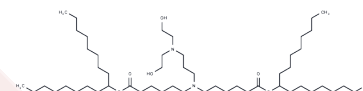


## Lipid U 105

## Chemical Properties

CAS No. :	3049129-14-5
Formula:	C <sub>53</sub> H <sub>106</sub> N <sub>2</sub> O <sub>6</sub>
Molecular Weight:	867.42
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	Lipid U 105, an ionizable cationic lipid (pKa = 6.65), is employed in formulating lipid nanoparticles (LNPs) for delivering circular RNA both in vitro and in vivo. These LNPs, containing lipid U 105 and circular RNA for VEGF-A, enhance VEGF-A levels, boosting the proliferation and migration of human umbilical vein endothelial cells (HUVECs). Moreover, applying these LNPs topically accelerates wound healing in diabetic mice on a high-fat and -sugar diet.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1528 mL	5.7642 mL	11.5284 mL
5 mM	0.2306 mL	1.1528 mL	2.3057 mL
10 mM	0.1153 mL	0.5764 mL	1.1528 mL
50 mM	0.0231 mL	0.1153 mL	0.2306 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481