

CL4F8-6

## Chemical Properties

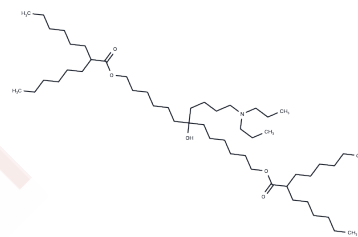
CAS No. : 2766493-12-1

Formula: C<sub>51</sub>H<sub>101</sub>N<sub>5</sub>O<sub>5</sub>

Molecular Weight: 808.35

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   | CL4F8-6, an ionizable cationic lipid with a pKa of 6.14, is utilized in lipid nanoparticles (LNPs) for mRNA therapeutics. When incorporated into LNPs delivering Cas9 mRNA and sgRNA, CL4F8-6 facilitates CRISPR-mediated gene knockdown in mice [1]. |
| Targets(IC50) | Others,Liposome   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.2371 mL | 6.1854 mL | 12.3709 mL |
| 5 mM  | 0.2474 mL | 1.2371 mL | 2.4742 mL  |
| 10 mM | 0.1237 mL | 0.6185 mL | 1.2371 mL  |
| 50 mM | 0.0247 mL | 0.1237 mL | 0.2474 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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