

51406,10

## Chemical Properties

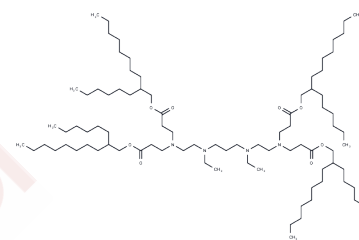
CAS No. : 2863553-06-2

Formula: C87H172N4O8

Molecular Weight: 1402.32

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	51406,10 functions as an ionizable cationic lipid utilized in creating lipid nanoparticles (LNPs) for in vivo mRNA delivery. In mice, LNPs incorporating 51406,10 and containing an mRNA reporter primarily target the spleen, lungs, and liver.
Targets(IC50)	Others,Liposome

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7131 mL	3.5655 mL	7.131 mL
5 mM	0.1426 mL	0.7131 mL	1.4262 mL
10 mM	0.0713 mL	0.3566 mL	0.7131 mL
50 mM	0.0143 mL	0.0713 mL	0.1426 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.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481