

C12-113

Chemical Properties

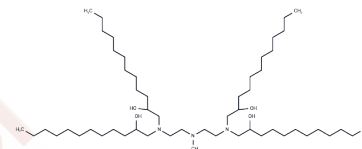
CAS No. : 1220890-27-6

Formula: C₅₃H₁₁₁N₃O₄

Molecular Weight: 854.47

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	C12-113, a lipidoid delivery agent, effectively transfects siRNA into cells and, when combined with additional lipids, forms lipid nanoparticles (LNPs). These LNPs facilitate the delivery of mRNA encoding the spike glycoprotein of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) in mice [1] [2].
Targets(IC50)	Others,Liposome

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1703 mL	5.8516 mL	11.7032 mL
5 mM	0.2341 mL	1.1703 mL	2.3406 mL
10 mM	0.117 mL	0.5852 mL	1.1703 mL
50 mM	0.0234 mL	0.117 mL	0.2341 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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