

Genevant CL1

Chemical Properties

CAS No. : 1450888-71-7

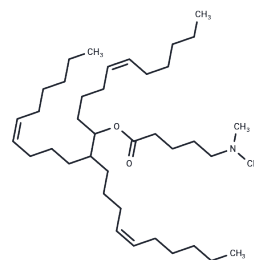
Formula: C₃₉H₇₃N_O₂

Molecular Weight: 588

Store at low temperature

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	Genevant CL1 (lipid 10) is an ionisable lipid (pKa=6.3) suitable for preparing lipid nanoparticles (LNP) for delivering nucleic acid payloads and intramuscular vaccines.
Targets(IC50)	Lipid,Liposome

Solubility Information

Solubility	DMSO: 80 mg/mL (136.05 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (5.61 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7007 mL	8.5034 mL	17.0068 mL
5 mM	0.3401 mL	1.7007 mL	3.4014 mL
10 mM	0.1701 mL	0.8503 mL	1.7007 mL
50 mM	0.034 mL	0.1701 mL	0.3401 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.

Reference

Components for Therapeutic and Vaccine Applications. Adv Mater. 2023;35(15):e2209624.

Michael D Buschmann, et al. Nanomaterial Delivery Systems for mRNA Vaccines. Vaccines (Basel). 2021 Jan 19;9(1):65.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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