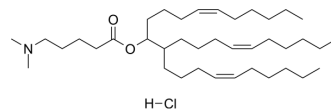


Genevant CL1 monohydrochloride

Cat. No.:	HY-46759A
Molecular Formula:	C ₃₉ H ₇₄ ClNO ₂
Molecular Weight:	624.46
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Genevant CL1 monohydrochloride is an ionizable lipid (lipid 10, pK_a=6.3), and it can be used for mRNA lipid nanoparticle (LNP) vaccine delivery^{[1][2]}.

REFERENCES

[1]. Lam K, Leung A, Martin A, et al. Unsaturated, Trialkyl Ionizable Lipids are Versatile Lipid-Nanoparticle Components for Therapeutic and Vaccine Applications. *Adv Mater.* 2023;35(15):e2209624.

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

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA