

DMA4-H228

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	DMA4-H228 is an ionizable cationic lipidoid employed in creating lipid nanoparticles (LNPs) for mRNA delivery in vivo. These LNPs, enriched with DMA4-H228, specifically accumulate in antigen-presenting cells within the mouse spleen. When encapsulating mRNA for ovalbumin, these LNPs activate splenic antigen-presenting cells and elevate serum IFN- α levels in mice. Additionally, in a B16/F10-OVA murine melanoma model, such LNPs reduce tumor volume, increase intratumoral CD8+ T cells, and elevate serum anti-ovalbumin IgG titers.
Targets(IC50)	Others

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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