

Lipid 114

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	Lipid 114 is an ionizable cationic lipid with a pKa of approximately 6.8. It is utilized to create lipid nanoparticles (LNPs) for delivering siRNA both in vivo and in vitro. Lipid 114 LNPs encapsulating siRNA targeting IL-1 β can reduce IL-1 β expression in macrophages. Additionally, these LNPs lower IL-1 β expression in the liver and kidneys and alleviate liver inflammation in a mouse model of LPS-induced acute liver failure.
Targets(IC50)	Liposome

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