

DMPE-mPEG2000 Na

Chemical Properties

CAS No. : 384835-59-0

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	DMPE-mPEG2000 Na is a commonly used PEGylated phospholipid that can self-assemble into stable liposomes or nanoparticles. Its PEG chains form a hydrophilic barrier on the surface, thereby reducing protein adsorption and clearance by the reticuloendothelial system. In drug delivery research, DMPE-mPEG2000 Na is often used to increase the circulation time and biocompatibility of liposomes, and is widely applied in the development of nanomedicine and mRNA delivery systems.
Targets(IC50)	Others

Reference

Uemura Y, et al. The efficiency of lipid nanoparticles with an original cationic lipid as a siRNA delivery system for macrophages and dendritic cells. Pharm Dev Technol. 2019 Mar;24(3):263-268.

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