Data Sheet (Cat.No.TYD-01697)

DPPE-PEG350

Chemical Properties

CAS No. :

Formula: (C2H4O)nC39H76NO10P.H3N

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	DPPE-PEG350 is a PEG lipid-functional end group utilized in the synthesis of liposomes (LPs) for the design of conjugated polymer nanoparticles. These liposome nanoparticles (LNPs) feature biotin modifications and carboxyl end groups, allowing further coupling with other biomolecules. Functionalized nanoparticles are employed for targeted labeling of specific cellular proteins. Using streptavidin as a linker, biotinylated PEG-lipid-conjugated polymer nanoparticles can bind to biotinylated antibodies on cell surface receptors, enabling applications in fluorescence-based imaging and sensing.

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