Data Sheet (Cat.No.TYD-01701)

TargetMol

DMPE-PEG350

Chemical Properties

CAS No. :

Formula: (C2H4O)nC35H68NO10P.NH3

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-PEG350 is a PEG lipid functional end group used for synthesizing liposomes (LPs) and designing conjugated polymer nanoparticles. These liposomal nanoparticles (LNPs), featuring biotin modification and a carboxyl end, can further couple with other biomolecules. Functionalized nanoparticles are applicable in the targeted labeling of specific cell proteins. Using streptavidin as a linker, the biotinylated PEG lipid-conjugated polymer nanoparticles can bind with biotinylated antibodies on cell surface receptors, facilitating fluorescence-based imaging and sensing applications.

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