DSPE-PEG (Transferrin-targeting peptide)

DSPE-PEG (Transferrin-targeting peptide) (Distearoylphosphatidylethanolamine - polyethylene glycol - transferrin-targeting peptide)

Cat. No.: **SN-M-LT174**

Chemical Properties

Product Name	DSPE-PEG (Transferrin-targeting peptide)
Full Name	DSPE-PEG (Transferrin-targeting peptide) (Distearoylphosphatidylethanolamine - polyethylene glycol - transferrin-targeting peptide)
Peptide Sequence	THRPPMWSPVWP
PEG Molecular Weight	2000; other molecular weights can be customised.
Appearance	White / off-white solid or viscous liquid, depending on the molecular weight.
Storage	Store sealed and dry at low temperature (below -20 °C).
Stability	Refrigerate; avoid repeated freeze-thaw cycles.
Solubility	Alcohols, pure water, DMSO and other common organic solvents.

Biological Description

Targeting / Application	THRPPMWSPVWP; TfR Tumour Delivery.

Application

- Drug delivery system study for tumour-targeted chemotherapy
- Targeted vectors for gene/nucleic acid delivery
- Application to the construction of tumour-targeted imaging and diagnostic probes
- Transferrin Receptor Targeted Functional Modification for Liposomal or Nanoparticle Surfaces
- As a model compound for studying the mechanism of transferrin receptor-mediated endocytosis

Related Products

- DSPE-PEG-HAIYPRH (Transferrin-targeting peptide)
- DSPE-PEG-THRPPMWSPVWP (Transferrin-targeting peptide)
- DSPE-PEG-T7 (Transferrin Receptor Targeting Peptide)
- DSPE-PEG-EGFR Targeted Lipid Materials
- DSPE-PEG-GRGDSP (Integrin-targeting peptide)

> This product is a research reagent and must not be used for clinical validation or human therapeutic use.