DSPE-PEG-SEARYL-R8(pH-responsive transmembrane peptide cell transmembrane peptide)

DSPE-PEG-SEARYL-R8(pH-responsive transmembrane peptide cell transmembrane peptide) (Distearoylphosphatidylethanolamine - polyethylene glycol - PH-responsive cell transmembrane peptide)

Cat. No.: **SN-M-LT178**

Chemical Properties

Product Name	DSPE-PEG-SEARYL-R8(pH-responsive transmembrane peptide cell transmembrane peptide)
Full Name	DSPE-PEG-SEARYL-R8(pH-responsive transmembrane peptide cell transmembrane peptide) (Distearoylphosphatidylethanolamine - polyethylene glycol - PH-responsive cell transmembrane peptide)
Peptide Sequence	RRRRRRRR
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	Acid environment trigger.

Application

- Intracellular delivery studies for protein/polypeptide drugs
- As a delivery vector for nucleic acid drugs such as siRNA and pDNA in gene therapy
- Construction and organelle targeting studies for intracellular imaging probes
- For nanocarrier surface functionalization to improve cell uptake efficiency
- as a modeling tool for studying cell membrane penetration mechanisms and intracellular trafficking

Related Products

- DSPE-PEG-TAT (transmembrane peptide)
- DSPE-PEG-R8 (Octa-arginine cell transmembrane peptide)
- DSPE-PEG-R9 (Polyarginine Cell Transmembrane Peptide)
- DSPE-PEG-MPG (pH-responsive cell-penetrating peptide)
- DSPE-PEG-SEARYL-R8 (pH-responsive perforating peptide)

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

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