

DSPE-PEG-Angiopep-2

DSPE-PEG-Angiopep-2 (Blood-brain barrier targeting)

Cat. No.: **SN-M-LT197**

Chemical Properties

Product Name	DSPE-PEG-Angiopep-2
Full Name	DSPE-PEG-Angiopep-2 (Blood-brain barrier targeting)
Peptide Sequence	TFFYGGSRGKRNNFKTEEY
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	Blood-brain barrier targeting; LRP1 Receptor Mediated.
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Application

- Drug delivery system study for brain tumours such as gliomas
- Nanopharmaceutical carriers for central nervous system disorders
- Targeted therapy for Alzheimer's, Parkinson's and other neurodegenerative diseases
- Construction of Probes for Brain Imaging and Evaluation of Brain Targeting Efficiency
- As a model tool for the study of blood-brain barrier transport mechanisms

Related Products

- DSPE-PEG-T7 (Transferrin Receptor Targeting Peptide)
- DSPE-PEG-Angiopep-2 (LRP1 Receptor Mediated Targeting)
- DSPE-PEG-RVG29 (Rabies Glycoprotein Derived Neurotargeting Peptide)
- DSPE-PEG-iRGD (Tumour Penetrating Peptide)
- DSPE-PEG-Transferrin-targeting peptide

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