

DSPE-PEG-APRPG (Ala-Pro-Arg-Pro-Gly)

DSPE-PEG-APRPG (Ala-Pro-Arg-Pro-Gly) (Distearoylphosphatidylethanolamine - polyethylene glycol - tumour neovascularization targeting peptide)

Cat. No.: **SN-M-LT169**

Chemical Properties

Product Name	DSPE-PEG-APRPG (Ala-Pro-Arg-Pro-Gly)
Full Name	DSPE-PEG-APRPG (Ala-Pro-Arg-Pro-Gly) (Distearoylphosphatidylethanolamine - polyethylene glycol - tumour neovascularization targeting peptide)
Peptide Sequence	APRPG
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	APRPG; Aminopeptidase N.
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Application

- Delivery System Study for Tumour Targeted Chemotherapy Agents
- Targeted vectors as anti-angiogenic therapies
- Application to the construction of tumour-targeted imaging probes
- Integrin-targeted functional modification for liposomal or nanoparticle surfaces
- As a model compound for studying integrin-ligand interactions and tumour angiogenesis

Related Products

- DSPE-PEG-cRGD (Integrin-targeting cyclic peptide)
- DSPE-PEG-GRGDSP (Integrin-targeting peptide)
- DSPE-PEG-GRGDSPK (Cyclic Integrin Targeting Peptide)
- DSPE-PEG-DA7R (Dual-target anti-tumour peptide)
- DSPE-PEG-APRPG (Tumour Neovascular Targeting Peptide)

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