

Product Information

pH-Sensitive peptide-modified targeted liposomes

Cat. No.: X26-05-ZQ2647

Size: 100 mg; 250 mg; 500 mg; 1 g; 5 g

Synonym: pH-Sensitive peptide-targeted LPs; pH-responsive peptide-modified liposomes; Acid-sensitive peptide-targeted liposomes

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	This advanced engineered responsive system features pH-sensitive peptide functionalized targeted liposomes. The structural matrix utilizes a high-purity phospholipid vesicle template whose exterior boundary is surface-modified with custom peptides designed to undergo a conformational transition (such as an alpha-helix folding) at a specific pH threshold. This specific configuration couples a target-mimetic ligand array with an environmentally responsive surface charge topography, completely preventing physical vesicle aggregation under baseline laboratory calibration indices while providing a cell-free model for studying altered lipid thermodynamics.
Source	Custom synthesis
Functional Group	pH-sensitive peptide
Form	Solid or powder
Purity	≥95%
Impurities	No visible impurities to the naked eye.
Identity	HPLC/MS/NMR
Stability	This product is stable for one year when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Storage	Store at -20°C.