

Product Information

Biotin-modified targeted liposomes

Cat. No.: X26-05-ZQ2541

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

Synonym: Biotin-modified targeted LPs; Biotinylated targeted liposomes; Biotin-functionalized targeted liposomes

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

Product Information

Description	This standardized reference formulation features empty vesicle matrices modified with vitamin templates. The vesicle architecture utilizes a high-purity phospholipid-cholesterol bilayer shell whose exterior boundary is surface-modified with specific biotin targeting ligands linked <i>via</i> covalent lipid anchors. This precise surface modification alters the interfacial water structure and surface charge topography, establishing a dense target-mimetic interface that completely prevents physical vesicle aggregation while leaving the internal aqueous reservoir completely empty.
Source	Custom synthesis
Functional Group	Biotin
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.