

## Product Information

### Aptamer-modified liposomes

**Cat. No.:** X26-05-ZQ2592

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

**Synonym:** Aptamer-modified LPs; Aptamer-functionalized liposomes; Aptamer-targeted liposomal nanocarriers

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

#### Product Information

<b>Description</b>	This advanced engineered system features oligonucleotide aptamer functionalized liposomes. The vesicle architecture utilizes a stable phospholipid-cholesterol bilayer shell whose exterior boundary is surface-modified with specific single-stranded DNA or RNA aptamer sequences linked <i>via</i> covalent polymer-lipid anchors. This precise surface modification alters the surface hydration parameters and surface charge topography, establishing a dense target-mimetic macromolecular ligand array that completely prevents physical vesicle aggregation while isolating the active internal core.
<b>Source</b>	Custom synthesis
<b>Functional Group</b>	DNA or RNA Aptamer
<b>Form</b>	Solid or powder
<b>Purity</b>	≥95%
<b>Impurities</b>	No visible impurities to the naked eye.
<b>Identity</b>	HPLC/MS/NMR
<b>Stability</b>	This product is stable for one year when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research grade
<b>Storage</b>	Store at -20°C.