

## Product Information

### Cell-penetrating peptide (CPP)-modified targeted drug-loaded liposomes

**Cat. No.:** X26-05-ZQ2655

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

**Synonym:** CPP-modified targeted drug LPs; CPP-targeted drug-loaded liposomes; CPP-modified targeted drug-loaded liposomes; CPP-modified targeted drug LPs

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

#### Product Information

<b>Description</b>	This advanced engineered system features cell-penetrating peptide functionalized drug-loaded liposomes. The structural framework encapsulates a model drug compound within its central aqueous core or interface, while its exterior boundary is surface-modified with specific cell-penetrating peptides (CPPs) linked <i>via</i> polymer anchors. This precise surface modification alters the surface hydration parameters and surface charge topography, establishing a dense target-mimetic ligand array that completely prevents physical vesicle aggregation while protecting the active core cargo from rapid chemical degradation.
<b>Source</b>	Custom synthesis
<b>Functional Group</b>	Cell-penetrating peptide; Active drug
<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.