



Product Information

Transmembrane protein-modified liposomes

Cat. No.: X26-05-ZQ2569

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

Synonym: Transmembrane protein-modified LPs; Transmembrane protein liposomes; Proteoliposomes

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

Product Information

Description	This highly advanced biomimetic material features transmembrane protein modified liposomes (proteoliposomes). The complex sub-micron architecture consists of a high-purity phospholipid-cholesterol bilayer matrix whose fluid membrane is directly integrated with hydrophobic transmembrane proteins spanning across the bilayer width. This precise alignment alters the natural membrane bending elasticity, lateral lipid packing constraints, and interfacial water structure, providing an advanced cell-free template that mimics natural cellular membrane complexity while completely preventing physical vesicle aggregation.
Source	Custom synthesis
Functional Group	Transmembrane protein cargo or coating
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.