

Product Information

Double-loaded liposomes

Cat. No.: X26-05-ZQ2554

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

Synonym: Double-loaded LPs; Dual-loaded liposomes; Co-loaded liposomal nanoparticles

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

Product Information

Description	This complex multi-loading formulation features double-loaded liposomes engineered as a dual-phase mass transport model. The structural matrix incorporates a hydrophobic model compound entirely within the lipophilic hydrocarbon tail regions of the bilayer shell, while simultaneously encapsulating a hydrophilic model molecule within its central aqueous core. This dual-compartment configuration isolates the two disparate chemical phases within a single vesicular entity, establishing a stable reference standard for monitoring dual-cargo retention and release kinetics under variable cell-free laboratory setups.
Source	Custom synthesis
Functional Group	Co-encapsulated dual active agents
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.