

Product Information

C6 ceramide-sensitized liposomes

Cat. No.: X26-05-ZQ2584

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

Synonym: C6 ceramide-sensitized LPs; C6 ceramide-sensitized liposomes; C6 ceramide liposomal formulations

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

Product Information

Description	This specialized biophysical formulation features short-chain ceramide modified liposomes. The vesicular matrix self-assembles from high-purity phospholipids blended with a precise molecular fraction of the synthetic short-chain sphingolipid <i>N</i> -hexanoyl-D-erythro-sphingosine (C6 ceramide). The integration of this short-chain ceramide into the bilayer alters the natural lateral lipid packing constraints, introduces localized gel-phase domains, and dramatically increases passive membrane permeability by promoting transient packing defects without containing active drug cargo.
Source	Custom synthesis
Functional Group	C6 ceramide
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.