



HSPC-DSPE-mPEG2000 LNP,HSPC-DSPE-mPEG2000 liposome

Cat. No. R-ZZTBSSDL-04

Lot. No. (See product label)

Alias	HSPC-DSPE-mPEG2000 (95-5, mol-mol) Liposomes
Appearance	Translucent to milky white homogeneous dispersion
Molecular Formula	N/A
Solubility	Can form a uniform and stable colloidal solution in the aqueous phase
Storage	4°C, protected from light
Purity	95%+
Shelf Life	1 year
Shipping Condition	low temperature transport
Application	Model system for the interaction of highly rigid membranes with PEG
Specification	10mg : Inquiry 20mg : Inquiry 50mg : Inquiry
Description	HSPC-DSPE-mPEG2000 (95-5, mol-mol) Liposomes are cholesterol-free, pure PEGylated liposome systems using a simplified binary formulation of HSPC-DSPE-mPEG2000 (95:5). This system uses high phase transition temperature HSPC ($T_m \approx 52-55^\circ\text{C}$) as the only matrix phospholipid to form a highly ordered gel-state rigid membrane, and directly achieves surface PEGylation modification through covalent anchoring of 5 mol% DSPE-mPEG2000. The core of its design is to explore the PEGylation effect and drug loading characteristics of pure gel phospholipid membranes under cholesterol-free conditions.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Supplier

Xi'an Ruixi

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