



DSPC-Cholesterol-DSPE-mPEG2000 LNP,DSPC-Cholesterol-DSPE-mPEG2000 liposomes

Cat. No. R-ZZTBSSDL-03

Lot. No. (See product label)

Alias	DSPC-Chol-DSPE-mPEG2000 (50-45-5, mol-mol) Liposomes
Appearance	Milky white or off-white uniform dispersion system
Molecular Formula	N/A
Solubility	Forms stable, uniform colloidal dispersions in aqueous media
Storage	4°C, protected from light
Purity	95%+
Shelf Life	1 year
Shipping Condition	low temperature transport
Application	Prescription development and quality standard research of high-end nanomedicines
Specification	100mg : Inquiry 500mg : Inquiry 1g: Inquiry
Description	DSPC-Chol-DSPE-mPEG2000 (50-45-5, mol-mol) Liposomes are PEGylated long-circulation liposomes composed of fully synthetic high-purity phospholipids, using the ratio DSPC-Chol-DSPE-mPEG2000 (50:45:5). This system uses distearoylphosphatidylcholine (DSPC, $T_m \approx 55^\circ\text{C}$) as the core phospholipid. Its fully saturated C18 carbon chain and high proportion of cholesterol (45 mol%) cooperate to form a highly dense and ordered rigid gel membrane structure, providing retention stability for the drug. By incorporating 5 mol% DSPE-

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

www.matexcel.com

Address: SUITE 210, 17 Ramsey Road, Shirley, NY 11967

Email: info@matexcel.com Tel: 1-631-869-4956 Fax: 1-631-910-2166



mPEG2000, a hydrated polymer layer was built on the liposome surface, giving it "stealth" properties.

Supplier

Xi'an Ruixi

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

www.matexcel.com

Address: SUITE 210, 17 Ramsey Road, Shirley, NY 11967

Email: info@matexcel.com Tel: 1-631-869-4956 Fax: 1-631-910-2166