

DOPC/CHOL/mPEG-DSPE Liposomes, TRITC-DHPE labeled

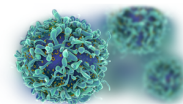
Catalog: DOPC-038L

The liposomes are prepared by the extrusion method to 100nm with very tight particle size distribution. The product is sterile filtered and filled in sterile vials guaranteed to be stable for 6 months stored refrigerated. The phospholipid, N-(6-tetramethylrhodaminethiocarbamoyl)-1,2-dihexadecanoyl-sn-glycero-3-phosphoethanolamine, triethylammonium salt (TRITC DHPE) is labeled on the head group with the bright, red-orange fluorescent tetramethylrhodamine dye (excitation/emission maxima ~555/580 nm).

Lipid composition: DOPC/CHOL/mPEG2000-DSPE/TC-DHPE (49:45:5:1 mol/mol)
Ex/Em: 540/560nm
Mean particle size: 100 nm (80-110 nm)

PRODUCT INFORMATION

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Ex/Em: 540/560nm
Mean particle size: 100 nm (80-110 nm)
Lipid Composition	DOPC; CHOL; mPEG2000-DSPE; TC-DHPE
Application	Liposome production; Synthetic lipid
Storage Buffer	Hydration buffer: 10% sucrose, 20mM HEPES, pH 7.3 ± 0.2



Concentration	Lipid concentration: 50 mM (50-55 mM) TRITC - DHPE: 0.5 mM (0.62 mg/mL)
Stability	6 Month for unopened vials.
Storage	Store at 2-8 centigrade, protect from light.
Synonyms	DOPC; 1,2-dioleoyl-sn-glycero-3-phosphocholine; CHOL; cholesterol

USAGE GUIDELINES

General Handling	Avoid excessive mixing or vortexing to prevent aggregation. Long-term storage above -80°C may result in aggregate formation. Thaw on ice before use.
Storage	Short term: +2°C to +8°C (up to 1 week) Long term: -80°C (stable for 12 months)
Stability	Stable for 12 months at -80°C. Avoid repeated freeze-thaw cycles.
Freeze / Thaw	Can be frozen, but limit to 3 freeze/thaw cycles to maintain particle integrity.

Important: This product is for **research use only**. Not intended for diagnostic or therapeutic applications. Please refer to the Safety Data Sheet (SDS) for complete handling and safety information.