



20:0 PC/CHOL/mPEG2000-DSPE (50:45:5 mol/mol) Liposomes with Ammonium Gradient (110nm)

Catalog: CHOL-057L

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Lipid composition: 20:0 PC/CHOL/mPEG2000-DSPE (50:45:5 mol/mol)
Mean particle size: 110 nm (100 - 140 nm)

PRODUCT INFORMATION

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Product Overview	The 20:0PC ammonium sulfate liposomes is suitable for the active loading of weakly basic compounds. It offers the potential of further improvement of drug retention and in vivo PK/PD profiles of the loaded compound. Lipid composition: 20:0 PC/CHOL/mPEG2000-DSPE (50:45:5 mol/mol) Mean particle size: 110 nm (100 - 140 nm)
Lipid Composition	20:0 PC; CHOL; mPEG2000-DSPE
Application	Liposome production; Synthetic lipid
Storage Buffer	Hydration buffer (loading battery): 250 mM ammonium sulfate External solution: 10% sucrose, 20mM NaPO ₄ , pH 6.5 ± 0.
Concentration	Lipid concentration: 60mM (60 - 70 mM)
Stability	6 Month for unopened vials.



Storage	Store at 2-8 centigrade.
Synonyms	20:0 PC; 1,2-diarachidoyl-sn-glycero-3-phosphocholine; CHOL; cholesterol; mPEG2000-DSPE

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.