

PEGylated Liposomal Doxorubicin HCl (2.0mg/mL)

Catalog: DOX-070L

Doxorubicin HCl is loaded into PEGylated liposomes with ammonium gradient by the active loading approach. The liposomes are prepared to high quality with consistent lot-lot characteristics. Narrow particle size distribution and high drug encapsulation efficiency. Note we also carry a high drug concentration (4.0 mg/mL) version of this product.

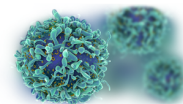
Lipid composition: HSPC/CHOL/mPEG2000-DSPE (56.2:38.5:5.3 mol/mol)

Encapsulation efficiency:> 95% (typically 98%)

Mean particle size: 85 nm (80 - 90 nm)

PRODUCT INFORMATION

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Lipid Composition	HSPC/CHOL/mPEG2000-DSPE
Active Ingredients	Doxorubicin HCl
Application	Liposome production; Synthetic lipid



Storage Buffer	Loading battery: 250 mM ammonium sulfate External solution: 10% sucrose, 10 mM histidine, pH 6.5
Concentration	Lipid concentration: 20.0 mM Doxorubicin HCl: 2.0 mg/mL
Stability	6 Month for unopened vials.
Storage	Store at 2-8 centigrade.
Synonyms	HSPC; hydrogenated phosphatidylcholine (Soy); 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.