

PEGylated Liposomal Irinotecan HCL (2.0mg/mL)

Code No. : F30204-IT

Size : 2 ml & 10 ml



Product Description

PEGylated Liposomal Irinotecan HCL

Irinotecan HCl is loaded into PEGylated liposomes composed of HSPC/CHOL/mPEG2000-DSPE (50:45:5 mol/mol) with ammonium gradient by the active loading approach. The liposomes are produced by the extrusion method. The product is of high quality with narrow particle size distribution and high drug encapsulation efficiency.

Specifications :

Product code: F30204-IT

Lipid composition: HSPC/CHOL/mPEG2000-DSPE (50:45:5 mol/mol)

Lipid concentration: 20.0 mM

Irinotecan HCl: 2.0 mg/mL

Encapsulation efficiency: > 95% (typically 98%)

Loading battery: 250 mM ammonium sulfate

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

External solution: 10% sucrose, 20 Mm HEPES, pH 7.0

Shelf-life: 6 months, storage: 2-8 degree C

Irinotecan: Synonym: (S)-4,11-diethyl-3,4,12,14-tetrahydro-4-hydroxy-3,14-dioxo-1H-pyrano [3',4':6,7]indolizino[1,2-b]quinolin-9-yl ester, CPT-11, [1,4'-Bipiperidine]-1'-carboxylic acid
CAS Number 100286-90-6, Empirical Formula: C₃₃H₃₈N₄O₆ · HCl, Sigma Cat# 11406

HSPC: hydrogenated phosphatidylcholine (Soy)

CHOL: cholesterol

mPEG2000-DSPE: 18:0 PEG2000 PE:1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[methoxy(polyethylene glycol)-2000]

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