



Daunorubicin/Vincristine (10/1, mol/mol) Loaded Liposomes

Catalog: Lipo-020RG

PRODUCT INFORMATION

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| Name | Daunorubicin/Vincristine (10/1, mol/mol) Loaded Liposomes |
| Cat No. | Lipo-020RG |
| Product Overview | Daunorubicin HCl (Daunomycin, RP 13057, Rubidomycin) inhibits both DNA and RNA synthesis and inhibits DNA synthesis with K_i of 0.02 μ M in a cell-free assay. Daunorubicin is a topoisomerase II inhibitor that induces apoptosis. Vincristine sulfate (NSC-67574, Leurocristine, Oncovin, 22-Oxovincalcakoblastine) is an inhibitor of polymerization of microtubules by binding to tubulin with IC_{50} of 32 μ M in a cell-free assay. Vincristine sulfate induces apoptosis. This product is a PEG modified pre-formulated liposome with daunorubicin HCl and vincristine sulfate at a 10/1 (mol/mol) ratio loaded. The liposomes are useful for the study of radiometric dosing with chemotherapeutic agents in preclinical models of cancer, suitable for use in vitro or in vivo studies. The lipid composition is HSPC/Chol/DSPE-mPEG2000 (56.2/38.5/5.3, mol/mol). |
| Lipid Composition | HSPC/Chol/DSPE-mPEG2000 (56.2/38.5/5.3, mol/mol) |
| Active Ingredients | Daunorubicin; Vincristine |
| Form | Liquid |
| Storage Buffer | 154 mM NaCl, pH 5.5 |
| Concentration | 1.4 mg/mL (Concentration Daunorubicin); 219 μ g/mL (Concentration Vincristine); Lipid Concentration 30 mM |
| Stability | 6 months |
| Storage | 2 $^{\circ}$ C to 8 $^{\circ}$ C (do not freeze) |