

Product Information

Vincristine-loaded liposomes

Cat. No.: X26-05-ZQ2562

Size: 100 mg; 250 mg; 500 mg; 1 g; 5 g

Synonym: Vincristine-loaded LPs; Vincristine liposomes; Vincristine liposomal nanoparticles

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	This reference formulation features vincristine liposomes engineered with high loading stability. The vesicular anatomy consists of a high-purity phospholipid-cholesterol bilayer shell encapsulating the hydrophilic vinca alkaloid vincristine entirely within its central aqueous core <i>via</i> an active remote-loading pH or ion gradient matrix. This precise configuration isolates the complex dimeric alkaloid core, completely restricting passive drug diffusion and protecting the cargo from rapid chemical degradation or precipitation under ambient laboratory testing conditions.
Source	Custom synthesis
Functional Group	Vincristine
Form	Solid or powder
Purity	≥95%
Impurities	No visible impurities to the naked eye.
Identity	HPLC/MS/NMR
Stability	This product is stable for one year when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Storage	Store at -20°C.