

Product Information

Matrine liposomes

Cat. No.: X26-05-ZQ1196

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

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

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

Product Information

Description	This product contains matrine liposomes engineered to improve the retention of a water-soluble tetracyclic quinolizidine alkaloid. The vesicular structure is composed of high-purity hydrogenated phospholipids and cholesterol that form a dense, low-permeability bilayer shell around an aqueous core containing matrine. The formulation is processed using an extrusion method to achieve a narrow, sub-micron size distribution. The structural integrity of the rigid lipid matrix helps minimize the passive diffusion of the alkaloid across the membrane.
Source	Custom synthesis
Functional Group	Matrine
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.