

Product Information

Deoxyspergualin nanoparticle liposomes

Cat. No.: X26-05-ZQ1781

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

Synonym: Deoxyspergualin liposomal nanoparticles; Deoxyspergualin nanoparticle LPs; Gusperimus nanoparticle liposomes

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

Product Information

Description	This hybrid formulation features deoxyspergualin nanoparticle-loaded liposomes designed as a core-shell polymer-lipid composite reference matrix. The internal structure consists of rigid polymer nanoparticle cores encapsulating the synthetic immunosuppressive agent deoxyspergualin, which are completely enclosed within a self-assembled outer matrix shell of a high-purity phospholipid bilayer. This configuration combines the high mechanical strength and controlled ester or amide linkage hydrolysis of the polymer core with the biomimetic interface and lower surface energy of a lipid vesicle shell, protecting the deoxyspergualin structure from rapid hydrolytic degradation. The resulting hybrid nanostructures exhibit high colloidal stability and a highly uniform spherical morphology.
Source	Custom synthesis
Functional Group	Deoxyspergualin
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.