

Product Information

Celastrol liposomes

Cat. No.: X26-05-ZQ1770

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

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

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

Product Information

Description	This formulation represents celastrol liposomes designed to stabilize and solubilize a highly hydrophobic pentacyclic triterpenoid quinone methide compound. The structural framework consists of a phosphatidylcholine lipid bilayer that accommodates the active molecule, celastrol, directly within its interior lipophilic hydrocarbon tail matrix. The composition is highly optimized with high-purity natural phospholipids and cholesterol to maintain a low membrane permeability profile and prevent the rapid crystallographic precipitation or chemical degradation of the quinone methide structures in open laboratory media. The resulting vesicles exhibit high colloidal stability, a highly uniform spherical morphology, and a narrow size distribution profile.
Source	Custom synthesis
Functional Group	Celastrol
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.