



## Product Information

### Sparfloxacin liposomes

**Cat. No.:** X26-05-ZQ1895

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

**Synonym:** Sparfloxacin LPs; Sparfloxacin-loaded liposomes; Sparfloxacin liposomal nanoparticles

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

#### Product Information

<b>Description</b>	This formulation features sparfloxacin liposomes engineered to encapsulate a hydrophobic fluoroquinolone antibiotic within a stable vesicle matrix. The structural matrix incorporates the fluorinated compound sparfloxacin directly into the lipophilic hydrocarbon tail domain of a high-purity phospholipid bilayer, utilizing a precise lipid-to-cholesterol ratio to maintain a low membrane permeability profile. This configuration protects the fluoroquinolone structure from premature chemical precipitation and controls passive drug leakage across the lipid membrane interface under ambient laboratory conditions.
<b>Source</b>	Custom synthesis
<b>Functional Group</b>	Sparfloxacin
<b>Form</b>	Solid or powder
<b>Purity</b>	≥95%
<b>Impurities</b>	No visible impurities to the naked eye.
<b>Identity</b>	HPLC/MS/NMR
<b>Stability</b>	This product is stable for one year when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research grade
<b>Storage</b>	Store at -20°C.