

Product Information

Iridium(III) complex long-circulating liposomes

Cat. No.: X26-05-ZQ1950

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

Synonym: Iridium(III) complex long-circulating LPs; PEGylated iridium(III) complex liposomes; Iridium(III) complex stealth liposomes

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

Product Information

Description	This formulation features iridium(III) complex long-circulating liposomes designed as an organometallic-lipid hybrid tracking model. The structural matrix incorporates a hydrophobic organometallic iridium(III) coordination complex directly into the lipophilic hydrocarbon tail core of a high-purity phospholipid bilayer, while the outer surface is integrated with polyethylene glycol polymer-lipid conjugates to establish a long-circulating layout. This configuration alters membrane curvature, introduces distinct phosphorescent tracking properties, and establishes a dense hydrophilic steric layer on the outer boundary that prevents physical vesicle aggregation.
Source	Custom synthesis
Functional Group	Iridium(III) complex
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.