



## Product Information

### Heparin modified UCNPs

**Cat. No.:** X26-05-ZQ881

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

**Synonym:** Heparin-functionalized UCNPs; Heparin-coated upconversion nanoparticles; Anticoagulant-modified RE-nanohybrids

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

#### Product Information

<b>Description</b>	These nanoparticles are surface-coated with heparin, a highly sulfated, linear glycosaminoglycan polymer. The resulting structure presents a highly dense array of negative charges due to the abundant sulfate and carboxylate groups along the heparin chain. The upconverting core acts as an exceptionally stable, non-blinking optical marker to track the polymer's behavior and interactions in laboratory fluid models.
<b>Source</b>	Custom synthesis
<b>Functional Group</b>	Heparin
<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.