



## Product Information

### Ficoll modified UCNPs

**Cat. No.:** X26-05-ZQ891

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

**Synonym:** Ficoll-functionalized UCNPs; Ficoll-coated upconversion nanoparticles; Sucrose-polymer modified RE-nanophosphors

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

#### Product Information

<b>Description</b>	These materials consist of rare-earth upconverting nanocrystals encapsulated within a shell of Ficoll, a highly branched, hydrophilic polymer synthesized from sucrose and epichlorohydrin. The unique spherical and highly flexible configuration of the Ficoll wrapper provides exceptional osmotic and colloidal stability in aqueous solutions. This modification effectively minimizes non-specific aggregation in dense macromolecular laboratory environments.
<b>Source</b>	Custom synthesis
<b>Functional Group</b>	Ficoll
<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.