



## Product Information

### Dextran modified UCNPs

**Cat. No.:** X26-05-ZQ092

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

**Synonym:** Dextran-functionalized upconversion nanoparticles; Dextran-modified UCNPs; Dextran-coated upconversion nanophosphors

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

#### Product Information

<b>Description</b>	These dextran modified upconversion nanoparticles (UCNPs) consist of rare-earth doped fluoride cores surface-modified with a dextran polymer layer. The composition focuses on achieving high water solubility and colloidal stability through the polysaccharide coating. The structure is designed to be versatile, supporting various lanthanide dopants while providing a hydrophilic surface for research applications.
<b>Source</b>	Custom synthesis
<b>Functional Group</b>	Dextran
<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.