



## Product Information

### Hydroxyl modified core-shell UCNPs

**Cat. No.:** X26-05-ZQ277

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

**Synonym:** OH-functionalized core-shell UCNPs; Hydroxyl-terminated core-shell nanoparticles; OH-modified core-shell nanophosphors

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

#### Product Information

<b>Description</b>	These hydroxyl modified core-shell upconversion nanoparticles (UCNPs) feature a dual-layer fluoride architecture surface-functionalized with hydroxyl groups. The composition provides a hydrophilic interface that is highly suitable for further chemical modification, such as silanization or polymer grafting. The physical structure is designed to maintain high core luminescence while offering a versatile and reactive alcoholic surface.
<b>Source</b>	Custom synthesis
<b>Functional Group</b>	Hydroxyl
<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.