

Product Information

Cyclodextrin functionalized UCNPs

Cat. No.: X26-05-ZQ268

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

Synonym: Cyclodextrin-modified UCNPs; CD-functionalized upconversion nanoparticles; Cyclodextrin-capped nanophosphors

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

Product Information

Description	These cyclodextrin functionalized upconversion nanoparticles (UCNPs) feature a rare-earth doped core surface-modified with cyclic oligosaccharides. The composition utilizes the hydrophobic inner cavities of the cyclodextrin molecules to host various guest molecules on the nanoparticle surface. The structure provides a unique platform for studying supramolecular assembly and the development of light-emitting host-guest systems.
Source	Custom synthesis
Functional Group	Cyclodextrin
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.