

Product Information

Silica modified UCNPs

Cat. No.: X26-05-ZQ245

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

Synonym: SiO₂-functionalized UCNPs; Silica-coated upconversion nanoparticles; SiO₂-modified UCNPs

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

Product Information

Description	These silica modified upconversion nanoparticles (UCNPs) consist of a luminescent fluoride core encapsulated in a silicon dioxide shell. The composition is designed to enhance the chemical durability of the particles and provide a platform for various silane-based modifications. The resulting structure is highly dispersible in water and many polar solvents, offering a versatile tool for optical research.
Source	Custom synthesis
Functional Group	Silica
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.