



Product Information

Water-soluble core-shell UCNPs

Cat. No.: X26-05-ZQ326

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

Synonym: Hydrophilic core-shell UCNPs; Aqueous-dispersible core/shell upconversion nanoparticles; Water-soluble core-shell nanohybrids

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

Product Information

Description	These water-soluble core-shell upconversion nanoparticles (UCNPs) feature a protective inorganic shell and a hydrophilic surface modification. The composition integrates the high luminescence efficiency of the core-shell architecture with the colloidal stability required for aqueous research. The structure is designed to prevent aggregation and surface quenching in water-based experimental systems.
Source	Custom synthesis
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.