

Product Information

PEI modified core-shell UCNPs

Cat. No.: X26-05-ZQ339

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

Synonym: Polyethylenimine-functionalized core-shell UCNPs; PEI-coated core-shell upconversion nanoparticles; PEI-modified core-shell nanohybrids

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

Product Information

Description	These polyethylenimine (PEI) modified core-shell upconversion nanoparticles (UCNPs) feature a luminescent core-shell structure coated with a branched polyethylenimine layer. The composition provides an abundance of amino groups and a strong positive surface charge for aqueous stability and chemical reactivity. The structure is optimized for the electrostatic assembly of various anionic targets in materials research.
Source	Custom synthesis
Excitation	980 nm
Color of Fluorescence	Green
Functional Group	PEI
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.