



Product Information

Green-emitting PEG modified UCNPs

Cat. No.: X26-05-ZQ266

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

Synonym: PEGylated green UCNPs; Polyethylene glycol-modified Yb/Er UCNPs; Green-luminescent PEG-functionalized nanoparticles

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

Product Information

Description	These green-emitting poly(ethylene glycol) (PEG) modified upconversion nanoparticles (UCNPs) consist of an erbium-activated fluoride core functionalized with peg chains for water stability. The composition provides intense green luminescence under 980 nm excitation while maintaining a stable, non-aggregating state in aqueous media. The structure is optimized for use as a visible light tracer in chemical and materials research requiring aqueous dispersion.
Source	Custom synthesis
Color of Fluorescence	Green
Functional Group	PEG
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.