CD BioGlyco
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Product Information

PEG modified core-shell UCNPs

Cat. No.: X26-05-ZQ779

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

Synonym: PEGylated core-shell UCNPs; PEG-functionalized core-shell nanoparticles; Polyethylene glycol-coated core-shell nanophosphors

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

Product Information

Description	These polyethylene glycol modified core-shell upconverting nanoparticles (PEG modified core-shell UCNPs) are high-efficiency fluoride nanocrystals featuring an epitaxial shell and a polyethylene glycol (PEG) surface layer. The core-shell architecture maximizes luminescence intensity, while the polyethylene glycol (PEG) ensures exceptional colloidal stability and solubility in aqueous laboratory buffers. These particles are utilized in research requiring bright, water-stable optical reporters with minimal non-specific interactions.
Source	Custom synthesis
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 -20ºC.