

Product Information

Dextran modified α -NaYF₄:Yb,Er UCNPs

Cat. No.: X26-05-ZQ094

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

Synonym: Dextran-functionalized α -NaYF₄:Yb,Er; Dextran-modified α -phase green UCNPs; Dextran-coated α -NaYF₄:Yb,Er nanostructures

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

Product Information

Description	These dextran modified alpha-sodium yttrium fluoride ytterbium erbium upconversion nanoparticles (Dextran modified α -NaYF ₄ :Yb,Er UCNPs) consist of a cubic phase core with a dextran polysaccharide shell. The composition is tailored to exploit the optical transitions of the erbium-ytterbium pair in a cubic host while ensuring water dispersibility. The structure provides a hydrophilic and stable polymer coating that prevents aggregation.
Source	Custom synthesis
Functional Group	Dextran
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.