



Product Information

Green-emitting UCNPs

Cat. No.: X26-05-ZQ309

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

Synonym: Green-luminescent upconversion nanoparticles; Green UCNPs; Yb/Er-doped green nanophosphors

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

Product Information

Description	These green-emitting upconversion nanoparticles (UCNPs) consist of a fluoride matrix doped with ytterbium and erbium ions to produce intense green luminescence. The composition is optimized for the radiative transitions of the erbium ion under near-infrared excitation. The resulting structure is highly stable and serves as a benchmark material for visible light conversion research.
Source	Custom synthesis
Color of Fluorescence	Green
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.