

Product Information

Polymer coated UCNPs

Cat. No.: X26-05-ZQ832

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

Synonym: Polymer-functionalized UCNPs; Polymer-encapsulated upconversion nanoparticles; Polymer-shell RE-nanophosphors

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

Product Information

Description	This general class of materials consists of upconverting fluoride cores encapsulated by various synthetic or natural polymers. The structure is designed to provide environmental protection, water solubility, and functional handles for secondary chemical reactions. The polymer shell thickness and composition can be tuned to control the overall hydrodynamic size and surface properties of the nanoparticle.
Source	Custom synthesis
Functional Group	Polymer
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.