

Product Information

Spherical UCNPs

Cat. No.: X26-05-ZQ774

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

Synonym: UCNP nanospheres; Spherical upconversion nanoparticles; Globular-shaped rare-earth nanophosphors

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

Product Information

Description	These spherical upconverting nanoparticles (UCNPs) are high-purity rare-earth doped fluoride nanocrystals synthesized with a uniform, isotropic morphology. The spherical shape ensures consistent surface-to-volume ratios and predictable diffusion behavior in various laboratory solvents. These nanoparticles (UCNPs) serve as fundamental building blocks for studying the impact of crystal symmetry and morphology on upconversion luminescence efficiency.
Source	Custom synthesis
Particle Size	100 nm
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.