

Product Information

Polystyrene modified UCNPs

Cat. No.: X26-05-ZQ193

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

Synonym: PS-coated upconversion nanoparticles; Polystyrene-encapsulated UCNPs; PS-modified upconversion nanostructures

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

Product Information

Description	These polystyrene modified upconversion nanoparticles (UCNPs) feature a rare-earth doped fluoride core that has been encapsulated or surface-modified with a layer of polystyrene polymer. The composition is engineered to make the nanoparticles highly compatible with plastic and polymer matrices while maintaining their luminescent properties. The structure provides a robust organic-inorganic interface suitable for research into hybrid composite materials.
Source	Custom synthesis
Functional Group	Polystyrene
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.