

Product Information

Prussian blue coated UCNPs

Cat. No.: X26-05-ZQ844

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

Synonym: PB-modified UCNPs; Prussian blue-encapsulated upconversion nanoparticles; PB-shell RE-nanophosphors

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

Product Information

Description	This hybrid material consists of upconverting nanoparticles coated with a layer of Prussian blue, a metal-organic coordination polymer. The structure combines the anti-Stokes luminescence of the fluoride core with the specific ion-exchange and photothermal properties of the Prussian blue shell. This architecture is designed to explore the synergistic interaction between infrared light conversion and coordination chemistry.
Source	Custom synthesis
Functional Group	Prussian blue
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.