



Product Information

Cobaltate modified UCNPs (Cobaltate-UCNPs)

Cat. No.: X26-05-ZQ776

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

Synonym: Cobaltate-functionalized UCNPs; Cobaltate-decorated upconversion nanoparticles; Cobaltate-modified RE-nanostructures

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

Product Information

Description	These cobaltate modified upconverting nanoparticles (Cobaltate-UCNPs) are hybrid materials where the fluoride core is integrated with cobalt-based oxide structures. The cobaltate modification introduces specific electronic and magnetic properties that can interact with the lanthanide dopants in the core. These particles are used for research into the coupling between transition metal oxides and upconversion processes for advanced sensing and catalytic applications.
Source	Custom synthesis
Functional Group	Cobaltate
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.