



Product Information

Antibody-modified UCNPs

Cat. No.: X26-05-ZQ850

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

Synonym: Ab-functionalized UCNPs; Antibody-conjugated upconversion nanoparticles; Immunoconjugated RE-nanophosphors

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

Product Information

Description	These functionalized nanomaterials feature a core of upconverting rare-earth fluoride crystals covalently linked to targeted immunoglobulin structures via specialized molecular spacers. The structure maintains the sharp, non-blinking emission lines of the inorganic crystal while presenting a dense array of active paratopes on its surface. The surface treatment is engineered to minimize non-specific chemical absorption in complex fluid matrices.
Source	Custom synthesis
Functional Group	Antibody
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.