

Product Information

Biotinylated UCNPs

Cat. No.: X26-05-ZQ201

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

Synonym: Biotin-functionalized UCNPs; Biotin-conjugated upconversion nanoparticles; Vitamin H-modified UCNPs

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

Product Information

Description	These biotinylated upconversion nanoparticles (UCNPs) are crystalline fluoride particles surface-modified with biotin molecules. The composition leverages the small size of the biotin ligand to maintain a compact hydrodynamic diameter while providing a specific binding site for avidin or streptavidin. The structure is optimized for high-affinity assembly in molecular recognition research.
Source	Custom synthesis
Functional Group	Biotin
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.