

Product Information

Amine modified UCNPs

Cat. No.: X26-05-ZQ317

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

Synonym: NH₂-functionalized UCNPs; Amine-terminated upconversion nanoparticles; Aminated UCNPs

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

Product Information

Description	These amine modified upconversion nanoparticles (UCNPs) feature a rare-earth doped core surface-functionalized with primary amine groups. The composition provides a reactive chemical handle for covalent attachment to carboxyl-containing molecules and a positive surface charge for electrostatic assembly. The structure is optimized to ensure both chemical reactivity and optical brightness in aqueous research settings.
Source	Custom synthesis
Functional Group	Amine
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.