

Product Information

Amine modified UCNPs (SiO₂-NH₂)

Cat. No.: X26-05-ZQ221

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

Synonym: NH₂-silica-functionalized UCNPs; Amine-terminated silica-shell UCNPs; SiO₂-NH₂-modified nanophosphors

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

Product Information

Description	These amine modified upconversion nanoparticles (SiO ₂ -NH ₂) are core-shell structures featuring a luminescent fluoride core and an amino-functionalized silica shell. The composition provides a stable and water-dispersible platform with a high density of reactive primary amine groups. The resulting structure is optimized for the covalent attachment of various functional ligands 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.