

Product Information

Amine functionalized surface UCNPs

Cat. No.: X26-05-ZQ379

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

Synonym: Surface-aminated UCNPs; NH₂-functionalized surface upconversion nanoparticles; Amine-terminated surface UCNPs

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

Product Information

Description	These upconversion nanoparticles (UCNPs) have been engineered to present a surface rich in primary amine functional groups. The composition provides a positive surface charge and a chemical handle for covalent attachment to various molecules in laboratory settings. The structure ensures that the optical conversion properties of the core are maintained during subsequent chemical modifications.
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.