

## Product Information

### Amine functionalized UCNP

**Cat. No.:** X26-05-ZQ331

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

**Synonym:** NH<sub>2</sub>-modified upconversion nanoparticles; Amine-terminated UCNPs; Aminated upconversion nanophosphors

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

#### Product Information

<b>Description</b>	These amine functionalized upconversion nanoparticles (UCNPs) feature a luminescent core modified with primary amine groups to provide chemical reactivity and water solubility. The composition ensures a positive surface charge that facilitates electrostatic assembly with negatively charged molecules. The resulting structure is optimized for covalent coupling and stable aqueous research applications.
<b>Source</b>	Custom synthesis
<b>Excitation</b>	808 nm
<b>Color of Fluorescence</b>	Green
<b>Functional Group</b>	Amine
<b>Form</b>	Solid or powder
<b>Purity</b>	≥95%
<b>Impurities</b>	No visible impurities to the naked eye.
<b>Identity</b>	HPLC/MS/NMR
<b>Stability</b>	This product is stable for one year when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research grade
<b>Storage</b>	Store at -20°C.