

## Product Information

### PEI modified UCNPs

**Cat. No.:** X26-05-ZQ293

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

**Synonym:** Polyethylenimine-functionalized UCNPs; PEI-coated upconversion nanoparticles; PEI-modified RE-UCNPs

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

#### Product Information

<b>Description</b>	These polyethylenimine (PEI) modified upconversion nanoparticles (UCNPs) feature a luminescent fluoride core coated with a layer of branched polyethylenimine to achieve a high positive surface charge. The composition provides an abundance of amino groups for electrostatic or covalent interactions in aqueous media. The structure is optimized for research requiring a stable, cationic nanophosphor platform.
<b>Source</b>	Custom synthesis
<b>Functional Group</b>	PEI
<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.