



## Product Information

### PEG functionalized UCNPs

**Cat. No.:** X26-05-ZQ696

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

**Synonym:** PEGylated upconversion nanoparticles; PEG-modified UCNPs; Polyethylene glycol-functionalized RE-nanophosphors

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

#### Product Information

<b>Description</b>	These polyethylene glycol (PEG) functionalized upconverting nanoparticles (UCNPs) feature a surface-bound layer of polymer chains to achieve exceptional water solubility and colloidal stability. The polyethylene glycol (PEG) modification effectively prevents the adsorption of various chemical species and provides steric stabilization in laboratory buffers. The rare-earth doped core provides stable and background-free luminescence for diverse aqueous chemical research applications.
<b>Source</b>	Custom synthesis
<b>Functional Group</b>	PEG
<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.