



## Product Information

### Streptavidin modified core-shell UCNPs

**Cat. No.:** X26-05-ZQ469

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

**Synonym:** SA-functionalized core-shell UCNPs; Streptavidin-conjugated core-shell nanoparticles; SA-modified core-shell nanophosphors

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

#### Product Information

<b>Description</b>	These streptavidin modified core-shell upconverting nanoparticles (UCNPs) consist of bright core-shell particles covalently linked to the streptavidin protein. The core-shell architecture ensures maximum luminescence intensity for low-concentration detection. The streptavidin modification provides a robust and specific platform for identifying biotinylated molecules in experimental setups.
<b>Source</b>	Custom synthesis
<b>Excitation</b>	980 nm
<b>Color of Fluorescence</b>	Blue
<b>Functional Group</b>	Streptavidin
<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.