

Product Information

Avidin modified UCNPs

Cat. No.: X26-05-ZQ874

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

Synonym: Avidin-functionalized UCNPs; Avidin-conjugated upconversion nanoparticles; Avidin-labeled RE-nanophosphors

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

Product Information

Description	These nanoparticles consist of a rare-earth doped fluoride core surface-functionalized with the tetrameric protein avidin. The structure utilizes the highly stable avidin shell to present a surface capable of forming an exceptionally strong non-covalent bond with biotinylated targets. The modification ensures high colloidal dispersion in aqueous laboratory buffers and minimizes self-aggregation.
Source	Custom synthesis
Functional Group	Avidin
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.