



Product Information

HSA modified UCNPs

Cat. No.: X26-05-ZQ179

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

Synonym: Human Serum Albumin-functionalized UCNPs; HSA-coated upconversion nanoparticles; HSA-modified upconversion nanoconjugates

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

Product Information

Description	These human serum albumin (HSA) modified upconversion nanoparticles (UCNPs) consist of a luminescent crystalline core surface-functionalized with human serum albumin to achieve water solubility. The composition provides a stable protein coating that minimizes non-specific adsorption and environmental quenching of the lanthanide ions. The resulting structure is designed for studies requiring a highly biocompatible and stable interface in human-relevant research buffers.
Source	Custom synthesis
Functional Group	HSA
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.