

Product Information

Mannose modified UCNPs

Cat. No.: X26-05-ZQ241

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

Synonym: Mannose-functionalized UCNPs; Mannose-conjugated upconversion nanoparticles; Man-modified UCNPs

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

Product Information

Description	These mannose modified upconversion nanoparticles (UCNPs) consist of a rare-earth doped fluoride core surface-functionalized with mannose sugar molecules. The composition provides a specific carbohydrate interface designed for the research of sugar-receptor interactions. The resulting structure is highly stable in aqueous buffers and provides a targeted platform for investigating molecular recognition events.
Source	Custom synthesis
Functional Group	Mannose
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.