

Product Information

Dopamine modified UCNPs

Cat. No.: X26-05-ZQ205

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

Synonym: Dopamine-functionalized UCNPs; Polydopamine-coated upconversion nanoparticles; DA-modified UCNP nanohybrids

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

Product Information

Description	These dopamine modified upconversion nanoparticles (UCNPs) consist of a luminescent core surface-functionalized with dopamine or polydopamine layers. The composition utilizes the strong adhesive properties of the catechol groups to form a robust coating on the inorganic surface. The structure provides a versatile interface that is both biocompatible and capable of further chemical modification.
Source	Custom synthesis
Functional Group	Dopamine
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.