

Product Information

Aspartic acid modified water-soluble UCNPs

Cat. No.: X26-05-ZQ686

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

Synonym: Aspartic acid-functionalized hydrophilic UCNPs; Asp-modified aqueous UCNPs; Acidic amino acid-conjugated nanophosphors

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

Product Information

Description	These aspartic acid modified water-soluble upconverting nanoparticles (UCNPs) are functionalized with the acidic amino acid aspartic acid, providing a high density of surface carboxyl groups. This modification imparts a strong negative surface charge and excellent water solubility, making the particles ideal for research involving electrostatic interactions with cationic species. These nanoparticles (UCNPs) maintain the high upconversion efficiency of the lanthanide-doped core.
Source	Custom synthesis
Functional Group	Aspartic acid
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.