

Product Information

PEG modified UCNPs (UCNPs-PEG)

Cat. No.: X26-05-ZQ258

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

Synonym: PEGylated UCNPs; Polyethylene glycol-functionalized UCNPs; UCNP-PEG nanoconjugates

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

Product Information

Description	These poly(ethylene glycol) (PEG) modified upconversion nanoparticles (UCNPs-PEG) feature a luminescent core modified with peg chains to ensure robust colloidal stability in water. The composition provides a hydrophilic steric barrier that prevents aggregation and reduces non-specific interactions with other molecules. The physical structure is engineered for long-term storage and use in various chemical and biological research media.
Source	Custom synthesis
Functional Group	PEG
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.