

Product Information

MAL-PEG modified UCNPs

Cat. No.: X26-05-ZQ231

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

Synonym: Maleimide-PEG-functionalized UCNPs; PEG-MAL-modified upconversion nanoparticles; MAL-PEG-linked UCNP nanophosphors

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

Product Information

Description	These maleimide-poly(ethylene glycol) (MAL-PEG) modified upconversion nanoparticles (UCNPs) consist of a luminescent core modified with peg chains and terminal maleimide groups. The composition provides a hydrophilic and reactive surface for the specific attachment of thiol-containing molecules. The structure is optimized to ensure high colloidal stability and minimal non-specific binding in aqueous research applications.
Source	Custom synthesis
Functional Group	MAL-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.