



Product Information

Glutaraldehyde modified UCNPs

Cat. No.: X26-05-ZQ768

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

Synonym: Glutaraldehyde-functionalized UCNPs; GA-crosslinked upconversion nanoparticles; Aldehyde-activated UCNP nanohybrids

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

Product Information

Description	These glutaraldehyde modified upconverting nanoparticles (UCNPs) feature a surface-activated layer containing aldehyde groups introduced via glutaraldehyde treatment. This modification is primarily used as a cross-linking strategy to stabilize protein coatings or to facilitate the attachment of various amine-containing molecules. These particles are utilized in research focusing on robust covalent conjugation and the study of nanoparticle-biomolecule cross-linking.
Source	Custom synthesis
Functional Group	Glutaraldehyde
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.