



Product Information

Polymer-modified gold nanoparticles

Cat. No.: X26-04-ZQ546

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

Synonym: Polymer-coated AuNPs; Polymeric gold nanostructures; Polymer-stabilized gold nanoparticles

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

Product Information

Description	These gold nanoparticles are encapsulated or grafted with specific polymers (such as PEG, PVP, or PAA) to tailor their steric stability and surface wettability. The polymer shell provides a robust barrier against electrolyte-induced aggregation and allows for compatibility with diverse matrix materials. This modification can be used to control the hydrodynamic radius and the diffusion kinetics of the particles in complex fluids.
Source	Custom synthesis
Partical Size	10-250 nm
Functional Group	Polymer
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
Applications	This product can be used for the study of polymer-nanoparticle composite physics, research into colloidal stabilization mechanisms, and the development of stable plasmonic inks.
Storage	Store at -20°C.