

Product Information

Amino-functionalized silver nanoparticles (10 nm)

Cat. No.: X26-06-ZQ411

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

Synonym: Amino-functionalized Ag NPs; Amine-modified 10 nm silver nanoparticles; Amino-coated 10 nm Ag nanospheres

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

Product Information

Description	These nanoparticles comprise a small ten-nanometer metallic silver core directly modified with primary amine-terminated ligands. The compact geometry ensures an exceptionally high specific surface area, while the exposed amine groups establish a net positive surface charge that is highly responsive to ambient pH fluctuations.
Source	Custom synthesis
Partical Size	10 nm
Functional Group	Amine
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 to study small-core silver ion dissolution kinetics, investigate charge-driven macromolecular binding pathways, and optimize amine-reactive crosslinking assays.
Storage	Store at -20°C.