



Product Information

Oil-soluble spherical silver nanoparticles (Ag NPs)

Cat. No.: X26-06-ZQ407

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

Synonym: Oil-soluble spherical Ag NPs; Lipophilic spherical silver nanoparticles; Organo-dispersible spherical Ag nanoparticles

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

Product Information

Description	These nanoparticles consist of uniform metallic silver spheres capped with a dense monolayer of long-chain lipophilic alkylthiols or alkylamines. The organic shell completely alters the interfacial wetting parameters, enabling stable monodisperse tracking across non-polar organic solvent systems.
Source	Custom synthesis
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 the self-assembly of hydrophobic colloids, investigate phase-transfer extraction kinetics, and optimize conductive ink and paste formulations in organic matrices.
Storage	Store at -20°C.