

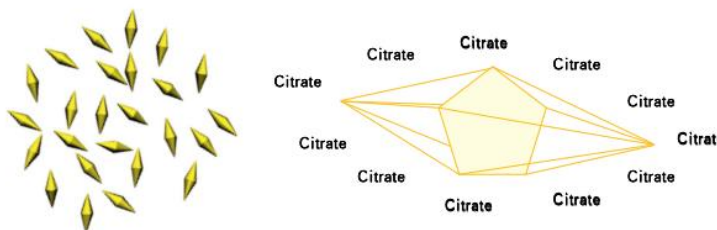


Gold Nanobipyramids-CIT PRODUCT DATA SHEET

Gold Nanobipyramids-CIT

Description

Gold Nanobipyramids-CIT is a material with important applications in the field of nanotechnology. This material utilizes citrate for non covalent capping, which is easily replaced by covalent and charged chemical substances. The capping agent controls the shape and size of gold nanocones by selectively binding to specific surfaces on the nanocones, effectively redefining the anisotropy of surface energy and protecting them from external environmental influences. Gold Nanobipyramid is a double cone shaped gold nanoparticle with precise size, highly monodisperse size and shape, long shelf life, high surface reactivity, and high electromagnetic enhancement ability for SERS and other Raman spectra. As a surface modifier, Citrate not only enhances the stability of Gold Nanobipyramids, preventing aggregation, but also provides additional functional sites through carboxyl groups, facilitating subsequent binding with other biomolecules. The modified Gold Nanobipyramids are widely used in the fields of biological imaging, catalysis, and sensors.



Abvigen Inc can able to provide high quality Gold Nanobipyramids-CIT. This product is available in a wide range of capping agents. Each batch has good monodispersity, uniform size, and can meet the needs of various customers in research and development, testing, production, and consumption. For custom sizes, formulations or bulk quantities please contact our customer service department.

Website: www.abvigen.com **Phone:** +1 929-202-3014 **Email:** info@abvigenus.com



Characteristics

Concentration: 0.05 mg/ml

Size: 5 ml or others

Surface: Citrate

Shape: Bipyrarnid

Composition: Gold Nanobipyramids

Density: 19.32 g/ccm

Buffer: DI Water

Store: Storage at 2 - 8 °C

Storage

This product should be stored at 4°C. **DO NOT FREEZE.**

Advantage

Uniform particle size

High electromagnetic enhancement capability

Good chemical stability

Good dispersibility

Applications

Biological immune testing

Protein labeling

Dark field optical imaging

Fluorescence enhancement

Surface enhanced Raman substrate

Drug carrier

Ordering Information

Website: www.abvigen.com

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