



Gold Nanobipyramids-4MBA

PRODUCT DATA SHEET

Gold Nanobipyramids-4MBA

Description

Gold Nanobipyramids-4MBA is synthesized by 4-Mercaptobenzoic acid (4MBA) through the formation of Au-S bond between sulfhydryl group and the surface of Gold Nanobipyramids, which endows Gold Nanobipyramids with special chemical and physical properties. The surface modification of 4MBA significantly improves the stability of Gold Nanobipyramids, preventing aggregation and precipitation, and extending their service life. At the same time, the modified Gold Nanobipyramids exhibit excellent optical performance, with good surface plasmon resonance (SPR) effect, and are widely used in the fields of photocatalysis and optical sensors. The introduction of 4-MBA has also improved the biocompatibility of Gold Nanobipyramids, making them highly applicable in the biomedical field for drug delivery and biological detection. In addition, Gold Nanobipyramids, due to their unique geometric structure, can effectively enhance fluorescence signals, improve detection sensitivity, and further broaden their applications in biological immune detection and protein labeling.

Abvigen Inc is able to provide high quality Gold Nanobipyramids-4MBA. 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

Size: 2.5 mg or others

Surface: 4-Mercaptobenzoic acid

SPR: 700 nm - 980 nm

Shape: Bipyramid

Composition: Gold Nanobipyramids

Density: 19.32 g/ccm

Store: Storage at 2 - 8 °C

Storage

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

Advantage

Good biocompatibility

Good chemical stability

Good catalytic performance

Uniform particle size

Better electric field enhancement effect

Applications

Biomarkers

Biological imaging

Surface enhanced Raman substrate

Biosensors

Dark field optical imaging

Drug delivery carrier

Ordering Information

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Email: info@abvigenus.com