



Gold Nanobipyramids-CYS PRODUCT DATA SHEET

Gold Nanobipyramids-CYS

Description

Gold Nanobipyramids-CYS can be obtained by surface modification of Gold Nanobipyramids with cysteine (CYS). CYS enhances the stability and density of Gold Nanobipyramids by forming self-assembled monolayers with its thiol groups on the gold surface. The CYS modification provides Gold Nanobipyramids with a highly selective recognition function, which enables the modified Gold Nanobipyramids to specifically recognize target molecules such as proteins and antibodies in biosensors and electrodes, and improves the analytical sensitivity. In addition, Gold Nanobipyramids-CYS exhibit good performance in electrochemical applications, with remarkable electrocatalytic properties towards hydrogen peroxide. The material can also be used as a contrast agent for optical imaging in techniques such as fluorescence imaging and optical coherence tomography (OCT). This material shows a wide range of potential in bioassay and catalytic applications.

Abvigen Inc is able to provide high quality Gold Nanobipyramids-CYS. 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: Cysteamin

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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