



Gold Nanobipyramids-11MUB PRODUCT DATA SHEET

Gold Nanobipyramids-11MUB

Description

(11Mercaptoundecyl)-N,N,N-trimethylammonium bromide (11MUB) is a surfactant commonly used for modifying gold nanomaterials. 11MUB molecules have two functional groups: thiol and quaternary ammonium salts, it is possible to improve the dispersibility, stability, and biocompatibility of the material by coordinating with the surface of Gold Nanobipyramids through self-assembled monolayer films. The modification of 11MUB can effectively improve the dispersibility of Gold Nanobipyramids in water, enhance their water solubility, and facilitate their use in biomedical research and sensing applications. The introduction of quaternary ammonium group effectively improved the antioxidant and biocompatibility of Gold Nanobipyramids, and reduced its potential cytotoxicity. Due to its unique shape, Gold Nanobipyramids-11MUB have important applications in fields such as optoelectronic materials, surface plasmon resonance, biosensing, photothermal therapy, optical imaging, catalysis, and drug delivery.

Abvigen Inc is able to provide high quality Gold Nanobipyramids-11MUB. 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: (11-Mercaptoundecyl)-N,N,N-trimethylammonium bromide

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

Website: www.abvigen.com

Phone: +1 929-202-3014

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