



Gold Nanobipyramids-11MDH

PRODUCT DATA SHEET

Gold Nanobipyramids-11MDH

Description

Gold Nanobipyramids-11MDH is obtained by modifying 11MDH (11 Mercaptoundecylhydroquinone) on the surface of Gold Nanobipyramidates. Gold Nanobipyramids are a type of gold nanomaterial with a special double cone structure, possessing unique optical and surface plasmon resonance properties, and widely used in sensing, catalysis, and drug delivery fields. The thiol group contained in 11MDH can form stable gold sulfur bonds with the Gold Nanobipyramids surface, while the phenolic hydroxyl group enhances its antioxidant properties, thereby improving the stability and functionality of Gold Nanobipyramids. The surface modified Gold Nanobipyramids has better surface activity and has good application potential in sensor, catalytic reaction and surface enhanced Raman spectroscopy.

Abvigen Inc is able to provide high quality Gold Nanobipyramids-11MDH. 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-Mercaptoundecylhydroquinone

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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