



Gold Nanobipyramids-12MDA

PRODUCT DATA SHEET

Gold Nanobipyramids-12MDA

Description

Gold Nanobipyramids-12MDA can be obtained by modifying 12MDA (12 Mercaptododecanoic acid) on the surface of Gold Nanobipyramids. Gold Nanobipyramids-12MDA is a nano material with a unique dual cone structure and excellent properties, suitable for applications in catalysis, bioimaging, sensing, and drug delivery. 12MDA forms a stable covalent bond with the gold surface through its thiol group, effectively modifying Gold Nanobipyramids and endowing them with water solubility and chemical stability. The modified Gold Nanobipyramids also exhibit strong optical properties and can be used for applications such as biomolecule detection and sensing, targeted drug delivery, and environmental pollutant monitoring. The excellent surface functionalization properties of Gold Nanobipyramids-12MDA enable it to exhibit high efficiency in catalysis and reactions, and maintain good stability under various environmental conditions.

Abvigen Inc is able to provide high quality Gold Nanobipyramids-12MDA. 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: 12-Mercaptododecanoic 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