



Gold Nanobipyramids-12MDN PRODUCT DATA SHEET

Gold Nanobipyramids-12MDN

Description

Gold Nanobipyramids-12MDN is a functionalized nanomaterial that combines the unique morphology of Gold Nanobipyramids with the surface modification properties of 12MDN (12 Mercaptododecanoic acid NHS ester). Gold Nanobipyramids have a high surface area and excellent optical properties. It has significant advantages in catalysis, sensing, and biometric recognition. Gold Nanobipyramids can form stable covalent bonds with biomolecules such as antibodies, proteins, and DNA through modification with 12 mercaptododecanoic acid NHS ester, exhibiting good biocompatibility and suitable for applications such as biosensing, targeted drug delivery, and bioimaging. Gold Nanobipyramids-12MDN also exhibits good catalytic activity and has great potential for application in redox reactions. The 12MDN modification not only improves the water solubility and molecular binding ability of Gold Nanobipyramids, but also maintains high stability in various environments, with broad application prospects.

Abvigen Inc is able to provide high quality Gold Nanobipyramids-12MDN. 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 NHS ester

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