Gold Nanobipyramids-11AT
PRODUCT DATA SHEET

Gold Nanobipyramids-11AT

Description

Gold Nanobipyramids-11AT is obtained by binding hydrophobic alkyl chains and reactive azide groups in 11-Azido-1-undecanethiol (11AT) molecules to the surface of Gold Nanobipyramids through covalent bond. Gold Nanobipyramids exhibit significant advantages in surface enhanced Raman scattering (SERS) and catalytic reactions due to their unique geometric shape and large specific surface area. The modification of 11AT can further improve the stability and functionalization performance of Gold Nanobipyramids, and enhance its application potential in biosensors, environmental monitoring, catalysis and other fields. In particular, azide groups can participate in click reactions, providing more possibilities for subsequent biomolecular detection and functionalization.

Abvigen Inc is able to provide high quality Gold Nanobipyramids-11AT. 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-Azido-1-undecanethiol

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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