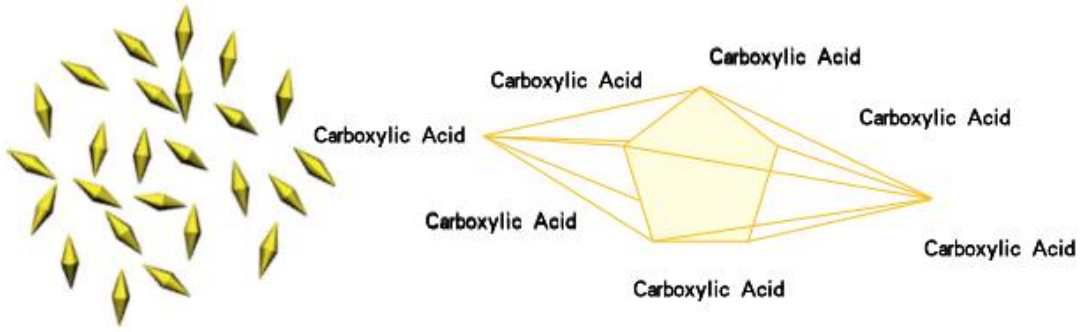
Gold Nanobipyramids-COOH
PRODUCT DATA SHEET

Gold Nanobipyramids-COOH

Description

Gold Nanobipyramids-COOH (Carboxylic Acid) is obtained by functionalizing Gold Nanobipyramids surfaces with carboxylic acids. This material utilizes Carboxylic Acid for non covalent end capping, and by introducing carboxyl functional groups on the surface, it can significantly enhance the biocompatibility and stability of Gold Nanobipyramids, making it suitable for biomedical applications such as drug delivery and bioimaging. Carboxylic acid modification not only selectively binds to biomolecules such as proteins and nucleic acids, but also alters the surface charge characteristics of nanogold cones, resulting in higher sensitivity and selectivity in electrochemical sensors. Gold Nanobipyramids-COOH has abundant surface active sites and a high specific surface area, making it an efficient catalyst for various chemical reactions and a contrast agent for applications such as fluorescence imaging and optical coherence tomography.



Abvigen Inc is able to provide high quality Gold Nanobipyramids-COOH. 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.

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Characteristics

Concentration: 0.05 mg/ml

Size: 5 ml or others

Surface: Carboxylic Acid

Shape: Bipyramid

Composition: Gold Nanobipyramids

Density: 19.32 g/ccm

Buffer: DI Water

Store: Storage at 2 - 8 °C

Storage

This product should be stored at 4°C. **DO NOT FREEZE**.

Advantage

Uniform particle size

High electromagnetic enhancement capability

Good chemical stability

Good dispersibility

Applications

Biological immune testing

Protein labeling

Dark field optical imaging

Fluorescence enhancement

Surface enhanced Raman substrate

Drug carrier

Ordering Information

Website: www.abvigen.com

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