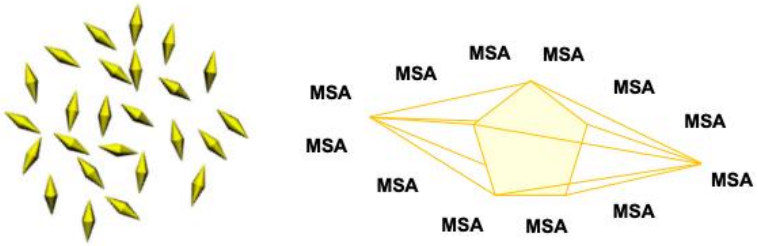
Gold Nanobipyramids-MSA
PRODUCT DATA SHEET

Gold Nanobipyramids-MSA

Description

In Gold Nanobipyramids-MSA, mercaptosuccinic acid (MSA) serves as a stabilizer that can form effective surface modifications through its strong affinity between thiol groups and gold atoms on the surface of Gold Nanobipyramidas. This modification enables Gold Nanobipyramidates to exhibit excellent performance in fields such as biological detection, catalysis, and optical imaging. The unique shape of Gold Nanobipyramids gives them excellent optical performance in surface plasmon resonance, enabling higher electric field enhancement and sensitivity. Gold Nanobipyramids-MSA can quickly respond to changes in copper ion concentration by chelating with catechol when detecting copper ions in water. In addition, the high specific surface area and abundant surface active sites of Gold Nanobipyramids-MSA endow it with superior performance in catalytic reactions, making it an efficient catalyst carrier to drive various chemical reactions. In terms of optical imaging, Gold Nanobipyramids-MSA can be used as a contrast agent and is widely applied in fluorescence imaging and optical coherence tomography technology, showing good application prospects.



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

Size: 2.5 mg or others

Surface: Mercaptosuccinic 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

Website: www.abvigen.com

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