Gold Nanobipyramids-3CNHS
PRODUCT DATA SHEET

Gold Nanobipyramids-3CNHS

Description

Gold Nanobipyramids-3CNHS is a unique nanomaterial featuring a gold nanobipyramid structure with surface modification using 3 Carbon-NHS. This structure enhances its performance in various applications such as catalysis, sensing, and imaging. The 3CNHS modification improves its biocompatibility, making it ideal for biomedical applications, including biosensors, drug delivery systems, and bioimaging. Additionally, the material exhibits excellent electron transfer performance, surpassing other gold nanoparticle shapes, which makes it valuable in electronic devices such as solar cells, LEDs, and electrochemical sensors.The 3CNHS modification also enhances stability, increasing its lifespan in diverse environments. Furthermore, its unique structural features contribute to high catalytic activity and selectivity in reactions like redox processes, hydrogen transfer, and hydrogenation. Gold Nanobipyramids-3CNHS also shows promise in sensor and imaging technologies such as surface-enhanced Raman scattering (SERS) and photothermal therapy, as well as in material science applications like supercapacitors, conductive coatings, and electromagnetic shielding.

Abvigen Inc is able to provide high quality Gold Nanobipyramids-3CNHS. 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: 3 Carbon-NHS

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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