



## **Gold Nanobipyramids-HEG** **PRODUCT DATA SHEET**

### **Gold Nanobipyramids-HEG**

#### **Description**

Gold Nanobipyramids-HEG is a functional nano material, which is endowed with excellent water solubility, stability and biocompatibility by modifying the Gold Nanobipyramids mono-11- (acetylthio) undecyl ether (HEG) molecule on the surface. The ethylene glycol units in HEG enhance the hydrophilicity of the material. The strong binding force between acetylthio and gold enhances the surface stability of Gold Nanobipyramids. The alkyl chain regulates the hydrophobicity of the material. This modification not only improves the dispersion of Gold Nanobipyramids, but also enhances its application potential in drug delivery, bioimaging, catalytic reaction, sensors and other fields.

Abvigen Inc is able to provide high quality Gold Nanobipyramids-HEG. 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](http://www.abvigen.com) **Phone:** +1 929-202-3014 **Email:** [info@abvigenus.com](mailto:info@abvigenus.com)

#### **Characteristics**

Size: 2.5 mg or others

Surface: Hexa(ethylene glycol)mono-11-(acetylthio)undecyl ether

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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