



## **Gold Nanobipyramids-1AT** **PRODUCT DATA SHEET**

### **Gold Nanobipyramids-1AT**

#### **Description**

Gold Nanobipyramids-1AT are advanced nanomaterials featuring a unique shape with two fused pyramidal structures, combined with the surface modification of 1-adamantanethiol. This modification imparts enhanced chemical stability, biocompatibility, and unique optical properties to the gold nanobipyramids, making them suitable for a variety of applications. The 1-adamantanethiol functionalization enables precise control over surface chemistry, allowing for easy attachment of biomolecules, drugs, or targeting agents for applications in biosensing, drug delivery, imaging, and therapeutic treatments. These nanostructures exhibit excellent light scattering properties, making them valuable for optical imaging and diagnostics, while also enabling efficient drug targeting and photothermal therapy for cancer treatment. The multifunctionality and stability of Gold Nanobipyramids-1AT make it an ideal choice for scientific and biomedical applications.

Abvigen Inc is able to provide high quality Gold Nanobipyramids-1AT. 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: 1-Adamantanethiol

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](http://www.abvigen.com)

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