

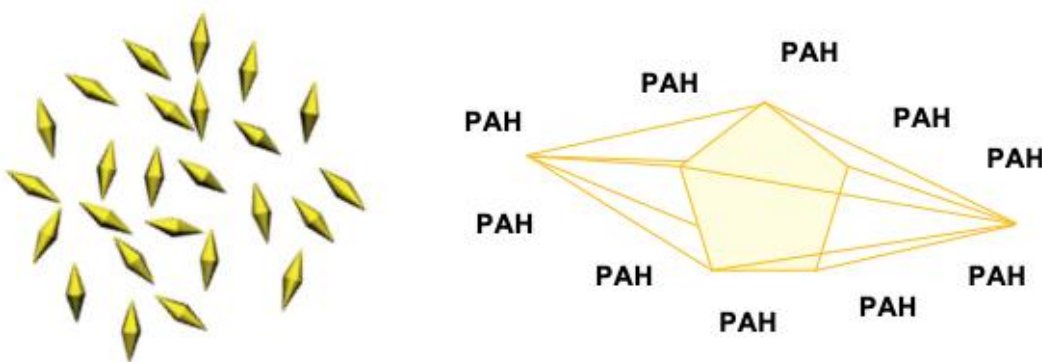


Gold Nanobipyramids-PAH PRODUCT DATA SHEET

Gold Nanobipyramids-PAH

Description

Gold Nanobipyramids-PAH is a nanomaterial obtained by functionalizing the gold nano biconical surface with PAH (Polyallylamine hydrochloride). The surface modification of PAH can significantly enhance the hydrophilicity of Gold Nanobipyramids, facilitates the adsorption and adhesion of biomolecules and cells, thereby promoting cell growth and differentiation. In addition, PAH modification provides high covalent coupling efficiency, ensuring that biomolecules can be efficiently immobilized on the surface of gold nanocones. By utilizing the cationic, polymer, and low background interference characteristics of PAH. It can reduce non-specific binding and improve detection sensitivity and accuracy in biological analysis and biosensor applications. PAH modification enhances the stability of fixed biomolecules, protecting them from environmental influences and extending their lifespan. The gold nanobipyramid itself has a special shape and optical properties, making it suitable as a contrast agent for biological imaging and can be used for catalytic reactions. Its high specific surface area and abundant surface active sites make it excellent in various chemical reactions. These characteristics make Gold Nanobipyramids PAH have extensive application potential in the fields of biological immune detection, drug carrier and surface enhanced Raman substrate.



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

Concentration: 0.05 mg/ml

Size: 5 ml or others

Surface: PAH

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

Good hydrophilicity

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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Email: info@abvigenus.com