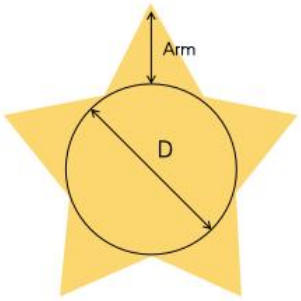
Gold Nanostars-PAH
PRODUCT DATA SHEET

Gold Nanostars-PAH

Description

PAH can significantly improve the dispersibility, stability, and biocompatibility of gold nanostars. PAH forms a stable polymer coating with the gold atoms on the surface of Gold Nanostars through its amino functional groups. It can effectively prevent aggregation and enhance the stability of Gold Nanostars in aqueous phase. Gold Nanostars, due to their unique star shaped structure, exhibit strong local surface plasmon resonance effects and demonstrate excellent performance in fields such as optics and catalysis. Gold Nanostars-PAH not only enhances its optical absorption and scattering capabilities, but can also be further functionalized for biomedical applications such as cancer diagnosis, drug delivery, and photothermal therapy. In addition, the stable surface modification of Gold Nanostars-PAH has enhanced its performance in sensors and catalytic reactions, and has strong application potential in multiple fields.



Abvigen Inc can provide high-quality Gold Nanostars-PAH in multiple specifications, with uniform particle size, good dispersion, and high inter batch repeatability. It can meet the personalized material needs of various customers for 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

Optical density: 1 OD

Size: 5 ml

SPR: 650 nm-1064 nm

Surface: Polyallylamine hydrochloride

Shape: Star shape

Composition: Gold Nanostars

Buffer: DI Water

Form: Suspension

Store: Storage at 2 - 8 °C

Shelf Life: 6 months

Storage

This product should be stored at 4°C. **DO NOT FREEZE**.

Advantage

Uniform particle size

High specific surface area

Easy to surface functionalize

Good dispersibility

Good chemical stability

Unique optical properties

Applications

Biosensor materials

Biological immune testing

Protein labeling

Dark field optical imaging

Fluorescence enhancement

Surface enhanced Raman substrate

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Ordering Information

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