

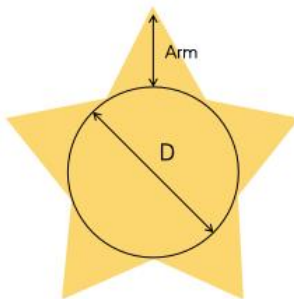


Gold Nanostars-PVP PRODUCT DATA SHEET

Gold Nanostars-PVP

Description

Polyvinylpyrrolidone (PVP) is a polymer commonly used for modifying gold nanomaterials. The surface modification of PVP can significantly improve the dispersibility and stability of Gold Nanostars, effectively prevent particle aggregation or precipitation, and maintain the dispersibility of Gold Nanostars in solution. PVP modification also improved the biocompatibility of Gold Nanostars, reducing the toxicity and irritation of the material in vivo. Helps with applications in drug delivery systems and biological imaging. By loading drugs onto Gold Nanostars-PVP, slow drug release can be achieved, enhancing therapeutic efficacy. In addition, PVP surface modification can also adjust the optical properties of Gold Nanostars to meet various application requirements.



Abvigen Inc can provide high-quality Gold Nanostars-PVP 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.

Website: www.abvigen.com **Phone:** +1 929-202-3014 **Email:** info@abvigenus.com



Characteristics

Optical density: 1 OD

Size: 5 ml

SPR: 650 nm-1064 nm

Surface: Polyvinylpyrrolidone

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



Ordering Information

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