



Polydopamine Particles

PRODUCT DATA SHEET

Polydopamine Particles

Description

Polyamine Particles is a kind of nanoscale polymer Particles formed by the self polymerization of dopamine under alkaline conditions. Because of its excellent chemical diversity, biocompatibility and adhesion, it is widely used in the field of material science and biomedicine. The surface of Polydopamine Particles is rich in amino and phenolic hydroxyl groups, which can react with various substances such as metal ions and drug molecules. It has good photothermal conversion ability, can absorb light energy and convert it into heat energy, and can be used in fields such as photothermal therapy, drug delivery, biosensors, environmental remediation, etc. Polydopamine particles also have excellent biocompatibility, low toxicity, and cell compatibility, and can be degraded in vivo. They have good applications in catalyzing CO₂ conversion, targeted drug delivery, and other fields.

Abvigen Inc can provide high-quality Polydopamine Particles of various particle sizes (10 nm -500 nm). This product has uniform particle size and good biocompatibility, which can meet the personalized material 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: 10 mg/ml

Size: 10 ml

Diameter: 10 nm - 500 nm

Shape: Spherical

Composition: Polydopamine Particles

Standard deviation: CV<5%

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

Redox property

Degradability

Conductivity

Good biocompatibility

Adhesiveness

Applications

Surface modification

Drug delivery

Biomedical imaging

Material modification

Biological analysis

Ordering Information

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