



CdTe Quantum Dots-Cys **PRODUCT DATA SHEET**

CdTe Quantum Dots-Cys

Description

CdTe Quantum Dots-Cys is a water-soluble semiconductor nanomaterial modified with Cysteine (Cys) on its surface. This material has excellent optoelectronic properties, good biocompatibility, narrow emission peak, and excellent photostability. Cysteine contains thiol groups, which can form stable coordination bonds with cadmium ions on the surface of CdTe quantum dots, enhancing the dispersibility, stability, and biocompatibility of the material in water. This surface modification not only improves the dispersion of quantum dots, but also enhances their fluorescence intensity and stability. CdTe Quantum Dots-Cys are commonly used in fields such as biological imaging, fluorescent labeling, and biological detection, and have promising application prospects.

Abvigen Inc can provide high-quality CdTe Quantum Dots-Cys. The product has uniform particle size and stable fluorescence intensity. It can meet the personalized material needs of various customers such as research and development, testing, and production 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

Size: 10 mg

Surface: Cys

Composition: CdTe Quantum Dots

Emission: 520 nm-640 nm

Store: Storage at 2 - 8 °C



Storage

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

Advantage

Uniform particle size

Good dispersibility

Good chemical stability

Stable fluorescence performance

Good fluorescence performance

Applications

Spectroscopic analysis

Cell imaging

Biomedical imaging

Environmental testing

Biomarkers

Fluorescence sensor

Ordering Information

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