



## **CdSe Quantum Dots-Cys** **PRODUCT DATA SHEET**

### **CdSe Quantum Dots-Cys**

#### **Description**

CdSe Quantum Dots-Cys are water-soluble semiconductor nanomaterials with cysteine (Cys) modifications on their surfaces. This quantum dots exhibit exceptional optoelectronic properties, good biocompatibility, narrow emission peaks, and outstanding photostability. The surface modification with Cys enhances their biocompatibility while reducing biological toxicity. This modification effectively minimizes non-specific interactions with biomolecules, broadening the potential applications of these quantum dots in the biomedical field. CdSe Quantum Dots-Cys are well-suited for biological imaging, drug delivery, biosensing, and photodynamic therapy. Their superior optical characteristics, excellent biocompatibility, and targeted capabilities make them an invaluable material in biomedical research and applications.

Abvigen Inc can provide high-quality CdSe 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](http://www.abvigen.com) **Phone:** +1 929-202-3014 **Email:** [info@abvigenus.com](mailto:info@abvigenus.com)

#### **Characteristics**

Size: 10 mg

Surface: Cys

Composition: CdSe 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**

Good dispersibility

Uniform particle size

Good chemical stability

Good fluorescence performance

Stable fluorescence performance

### **Applications**

Cell imaging

Biomarkers

Biomedical imaging

Environmental testing

Spectroscopic analysis

Fluorescence sensor

### **Ordering Information**

Website: [www.abvigen.com](http://www.abvigen.com)

Phone: +1 929-202-3014

Email: [info@abvigenus.com](mailto:info@abvigenus.com)