



## **CdTe Quantum Dots-NAC PRODUCT DATA SHEET**

### **CdTe Quantum Dots-NAC**

#### **Description**

CdTe Quantum Dots-NAC is a functional quantum dot material with excellent biocompatibility and antioxidant properties. NAC has antioxidant properties. Surface modification of CdTe quantum dots using NAC. It can reduce the toxicity of CdTe quantum dots, improve their biocompatibility, enhance material bioavailability and cell uptake efficiency, and is suitable for drug delivery and bioimaging applications. The antioxidant effect of NAC can effectively inhibit the oxidative stress response that CdTe quantum dots may trigger in biological systems, improve their fluorescence stability, and avoid fluorescence decay during long-term use. This modification also improves the targeting and accuracy of CdTe quantum dots in vivo, with low toxicity and good biodegradability, providing a better prospect for the application of quantum dots in the biomedical field.

Abvigen Inc can provide high-quality CdTe Quantum Dots-NAC. 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: NAC

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

Low biological toxicity

Good chemical stability

Good fluorescence performance

### **Applications**

Ion detection

Cell imaging

Biomarkers

Biosensor materials

### **Ordering Information**

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