



CdTe Quantum Dots in Water PRODUCT DATA SHEET

CdTe Quantum Dots in Water

Description

CdTe quantum dots are nanomaterials composed of cadmium and tellurium elements, possessing excellent optical and electrical properties. Due to the existence of quantum confinement effect, CdTe quantum dots can emit different colors of light in the visible spectrum range. By adjusting the size of quantum dots, CdTe quantum dots emitting different colors of light can be manufactured. CdTe quantum dots also have excellent photoelectric conversion efficiency, which can convert light energy into electrical energy and are widely used in fields such as solar cells, photodetectors, and photoelectric converters.

Abvigen Inc can provide high-quality CdTe Quantum Dots in Water with various particle sizes. This product has high fluorescence intensity, good stability, and excellent photoelectric conversion efficiency, 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



Cat No	Product Name	Surface	Size
AW-22-52-COOH	CdTe Quantum Dots in Water, 520 ± 10nm	3-MPA(COOH)	5 mg
AW-22-54-COOH	CdTe Quantum Dots in Water, 540 ± 10nm	3-MPA(COOH)	5 mg
AW-22-56-COOH	CdTe Quantum Dots in Water, 560 ± 10nm	3-MPA(COOH)	5 mg



AW-22-58-COOH	CdTe Quantum Dots in Water, 580 ± 10nm	3-MPA(COOH)	5 mg
AW-22-60-COOH	CdTe Quantum Dots in Water, 600 ± 10nm	3-MPA(COOH)	5 mg
AW-22-62-COOH	CdTe Quantum Dots in Water, 620 ± 10nm	3-MPA(COOH)	5 mg
AW-22-64-COOH	CdTe Quantum Dots in Water, 640 ± 10nm	3-MPA(COOH)	5 mg
AW-22-66-COOH	CdTe Quantum Dots in Water, 660 ± 10nm	3-MPA(COOH)	5 mg
AW-22-68-COOH	CdTe Quantum Dots in Water, 680 ± 10nm	3-MPA(COOH)	5 mg

Characteristics

Size: 5 mg

Shape: Spherical

Composition: CdTe Quantum Dots

Emission: 520 nm-518 nm

Buffer: DI Water

Form: Suspension

Store: Storage at 2 - 8 °C

Storage

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

Advantage

Adjustable emission wavelength

Good fluorescence intensity

High resistance to photobleaching

Narrow emission peak

Wide choice of emission colors

High colloidal stability

**Applications**

Display

Solid-state lighting

Solar cells

QLED

Ordering Information

Website: www.abvigen.com

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Email: info@abvigenus.com