



PRODUCT DATA SHEET

Cu:ZnCdS/ZnS Quantum Dots in Hexane

Quantum dots (QDs) are fluorescent semiconductor nanocrystals. Abvigen offers a complete line of core/shell Quantum dots products in solid form, in organic solvents or aqueous solution. Abvigen's Quantum dots can be used in photovoltaics, light emitting diodes (LEDs), telecommunication and diode lasers. They can also be used in sensing, drug delivery, cell imaging, labeling of biomolecules, as well as other applications in life sciences and biotechnology.

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	Full Width at Half Maximum	Quantum Yield
BO-Cd-25-48	Cu:ZnCdS/ZnS Quantum Dots in Hexane, 480 ± 10 nm	≤ 110 nm	≥ 30%
BO-Cd-25-50	Cu:ZnCdS/ZnS Quantum Dots in Hexane, 500 ± 10 nm	≤ 120 nm	≥ 50%
BO-Cd-25-52	Cu:ZnCdS/ZnS Quantum Dots in Hexane, 520 ± 10 nm	≤ 130 nm	≥ 40%
BO-Cd-25-54	Cu:ZnCdS/ZnS Quantum Dots in Hexane, 540 ± 10 nm	≤ 150 nm	≥ 40%
BO-Cd-25-56	Cu:ZnCdS/ZnS Quantum Dots in Hexane, 560 ± 10 nm	≤ 110 nm	≥ 30%
BO-Cd-25-58	Cu:ZnCdS/ZnS Quantum Dots in Hexane, 580 ± 10 nm	≤ 120 nm	≥ 50%
BO-Cd-25-60	Cu:ZnCdS/ZnS Quantum Dots in Hexane, 600 ± 10 nm	≤ 130 nm	≥ 40%
BO-Cd-25-62	Cu:ZnCdS/ZnS Quantum Dots in Hexane, 620 ± 10 nm	≤ 150 nm	≥ 40%

Characteristics

Concentration: 5 mg/ml; 10 mg/ml

Size: 10 mg

Emission range: 480 nm-620 nm

Buffer: Hexane

Form: Suspension

Shipping Condition: Ambient Temperature

Storage: 4°C



Properties

Size tunable emission wavelength

Superior brightness

High resistance to photobleaching

Simultaneous excitation of multiple colors from a single light source

These properties make Quantum dots a unique class of light emitting nanoparticles that find promising potentials in optoelectronics, biotechnology and medicines

Features

Narrow emission peak

Wide choice of emission colors

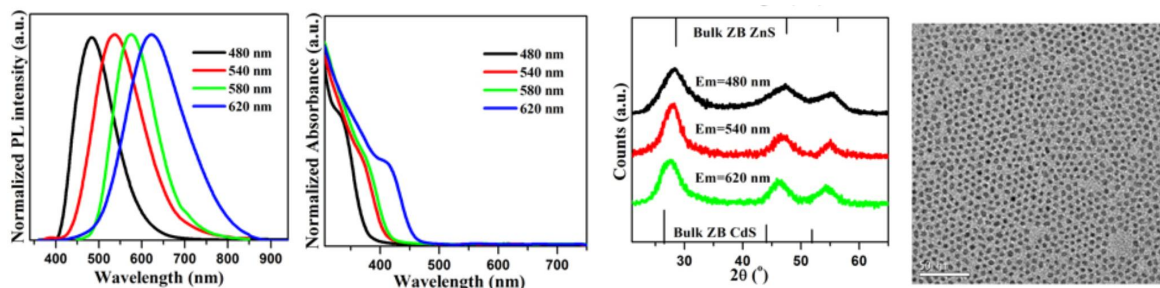
High colloidal stability

Applications

Display

Solid-state lighting

Solar cells



Ordering Information

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Email: info@abvigenus.com