



PRODUCT DATA SHEET

CdSe/ZnS Quantum Dots in Water

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	Quantum Yield	Full Width at Half Maximum
AW-2MPA-48	CdSe/ZnS Quantum Dots in Water, 480 ± 10nm	≥ 70%	≤30 nm
AW-2MPA-50	CdSe/ZnS Quantum Dots in Water, 500 ± 10nm	≥ 70%	≤30 nm
AW-2MPA-52	CdSe/ZnS Quantum Dots in Water, 520 ± 10nm	≥ 70%	≤30 nm
AW-2MPA-54	CdSe/ZnS Quantum Dots in Water, 540 ± 10nm	≥ 70%	≤30 nm
AW-2MPA-56	CdSe/ZnS Quantum Dots in Water, 560 ± 10nm	≥ 70%	≤30 nm
AW-2MPA-58	CdSe/ZnS Quantum Dots in Water, 580 ± 10nm	≥ 70%	≤30 nm
AW-2MPA-60	CdSe/ZnS Quantum Dots in Water, 600 ± 10nm	≥ 70%	≤30 nm
AW-2MPA-62	CdSe/ZnS Quantum Dots in Water, 620 ± 10nm	≥ 70%	≤30 nm
AW-2MPA-64	CdSe/ZnS Quantum Dots in Water, 640 ± 10nm	≥ 70%	≤30 nm
AW-2MPA-66	CdSe/ZnS Quantum Dots in Water, 660 ± 10nm	≥ 70%	≤30 nm
AW-2-48-PNH2	CdSe/ZnS Quantum Dots in Water, 480 ± 10nm	≥ 70%	≤30 nm
AW-2-50-PNH2	CdSe/ZnS Quantum Dots in Water, 500 ± 10nm	≥ 70%	≤30 nm
AW-2-52-PNH2	CdSe/ZnS Quantum Dots in Water, 520 ± 10nm	≥ 70%	≤30 nm
AW-2-54-PNH2	CdSe/ZnS Quantum Dots in Water, 540 ± 10nm	≥ 70%	≤30 nm
AW-2-56-PNH2	CdSe/ZnS Quantum Dots in Water, 560 ± 10nm	≥ 70%	≤30 nm
AW-2-58-PNH2	CdSe/ZnS Quantum Dots in Water, 580 ± 10nm	≥ 70%	≤30 nm
AW-2-60-PNH2	CdSe/ZnS Quantum Dots in Water, 600 ± 10nm	≥ 70%	≤30 nm



AW-2-62-PNH2	CdSe/ZnS Quantum Dots in Water, 620 ± 10nm	≥ 70%	≤30 nm
AW-2-64-PNH2	CdSe/ZnS Quantum Dots in Water, 640 ± 10nm	≥ 70%	≤30 nm
AW-2-66-PNH2	CdSe/ZnS Quantum Dots in Water, 660 ± 10nm	≥ 70%	≤30 nm
AW-2-48-PCOOH	CdSe/ZnS Quantum Dots in Water, 480 ± 10nm	≥ 70%	≤30 nm
AW-2-50-PCOOH	CdSe/ZnS Quantum Dots in Water, 500 ± 10nm	≥ 70%	≤30 nm
AW-2-52-PCOOH	CdSe/ZnS Quantum Dots in Water, 520 ± 10nm	≥ 70%	≤30 nm
AW-2-54-PCOOH	CdSe/ZnS Quantum Dots in Water, 540 ± 10nm	≥ 70%	≤30 nm
AW-2-56-PCOOH	CdSe/ZnS Quantum Dots in Water, 560 ± 10nm	≥ 70%	≤30 nm
AW-2-58-PCOOH	CdSe/ZnS Quantum Dots in Water, 580 ± 10nm	≥ 70%	≤30 nm
AW-2-60-PCOOH	CdSe/ZnS Quantum Dots in Water, 600 ± 10nm	≥ 70%	≤30 nm
AW-2-62-PCOOH	CdSe/ZnS Quantum Dots in Water, 620 ± 10nm	≥ 70%	≤30 nm
AW-2-64-PCOOH	CdSe/ZnS Quantum Dots in Water, 640 ± 10nm	≥ 70%	≤30 nm
AW-2-66-PCOOH	CdSe/ZnS Quantum Dots in Water, 660 ± 10nm	≥ 70%	≤30 nm
AW-2-51-POH	CdSe/ZnS Quantum Dots in Water, 510 ± 10nm	≥ 70%	≤30 nm
AW-2-52-POH	CdSe/ZnS Quantum Dots in Water, 520 ± 10nm	≥ 70%	≤30 nm
AW-2-53-POH	CdSe/ZnS Quantum Dots in Water, 530 ± 10nm	≥ 70%	≤30 nm
AW-2-54-POH	CdSe/ZnS Quantum Dots in Water, 540 ± 10nm	≥ 70%	≤30 nm
AW-2-55-POH	CdSe/ZnS Quantum Dots in Water, 550 ± 10nm	≥ 70%	≤30 nm
AW-2-61-POH	CdSe/ZnS Quantum Dots in Water, 610 ± 10nm	≥ 70%	≤30 nm
AW-2-62-POH	CdSe/ZnS Quantum Dots in Water, 620 ± 10nm	≥ 70%	≤30 nm
AW-2-63-POH	CdSe/ZnS Quantum Dots in Water, 630 ± 10nm	≥ 70%	≤30 nm
AW-2-64-POH	CdSe/ZnS Quantum Dots in Water, 640 ± 10nm	≥ 70%	≤30 nm

Characteristics

Concentration: 5 mg/ml; 10 mg/ml

Size: 10 mg

Emission range: 480 nm-660 nm

Buffer: DI Water

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

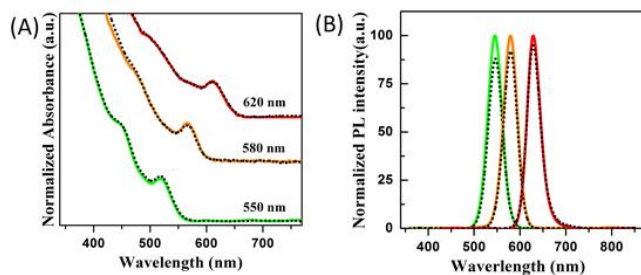
Applications

Display

Solid-state lighting

Solar cells

QLED



Ordering Information

website: www.abvigen.com

Phone: +1 929-202-3014

Email: info@abvigenus.com