



PRODUCT DATA SHEET

Carbon 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
AW-21-380	Carbon Quantum Dots in Water, 380 nm \pm 10 nm
AW-21-400	Carbon Quantum Dots in Water, 400 nm \pm 10 nm
AW-21-420	Carbon Quantum Dots in Water, 420 nm \pm 10 nm
AW-21-440	Carbon Quantum Dots in Water, 440 nm \pm 10 nm
AW-21-505	Carbon Quantum Dots in Water, 505 nm \pm 10 nm
AW-21-515	Carbon Quantum Dots in Water, 515 nm \pm 10 nm
AW-21-528	Carbon Quantum Dots in Water, 528 nm \pm 10 nm
AW-21-572	Carbon Quantum Dots in Water, 572 nm \pm 10 nm
AW-21-625	Carbon Quantum Dots in Water, 625 nm \pm 10 nm

Characteristics

Concentration: 5 mg/ml; 10 mg/ml

Size: 10 mg

Emission range: 380 nm-625 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

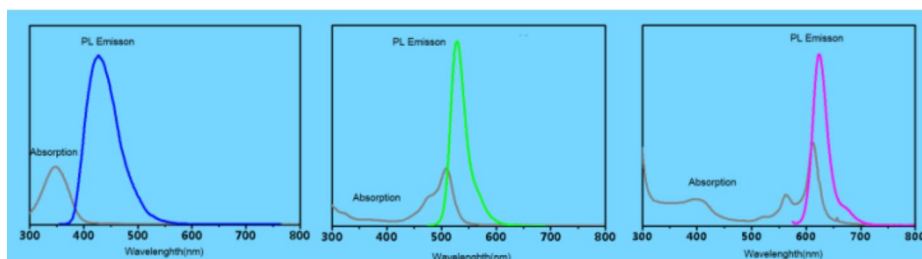
Applications

Display

Solid-state lighting

Solar cells

QLED



Ordering Information

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