



PRODUCT DATA SHEET

PbS 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.

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Cat No	Product Name	Full Width at Half Maximum	Quantum Yield
BO-Cd-7-85	PbS Quantum Dots in Hexane, 850 \pm 10 nm	\leq 120 nm	\geq 60%
BO-Cd-7-95	PbS Quantum Dots in Hexane, 950 \pm 10 nm	\leq 120 nm	\geq 60%
BO-Cd-7-105	PbS Quantum Dots in Hexane, 1050 \pm 10 nm	\leq 120 nm	\geq 60%
BO-Cd-7-115	PbS Quantum Dots in Hexane, 1150 \pm 10 nm	\leq 120 nm	\geq 60%
BO-Cd-7-125	PbS Quantum Dots in Hexane, 1250 \pm 10 nm	\leq 120 nm	\geq 60%
BO-Cd-7-135	PbS Quantum Dots in Hexane, 1350 \pm 10 nm	\leq 120 nm	\geq 60%
BO-Cd-7-145	PbS Quantum Dots in Hexane, 1450 \pm 10 nm	\leq 120 nm	\geq 60%
BO-Cd-7-155	PbS Quantum Dots in Hexane, 1550 \pm 10 nm	\leq 120 nm	\geq 60%

Characteristics

Concentration: 5 mg/ml; 10 mg/ml

Size: 10 mg

Emission range: 850 nm-1550 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

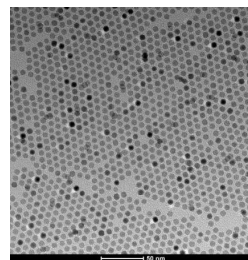
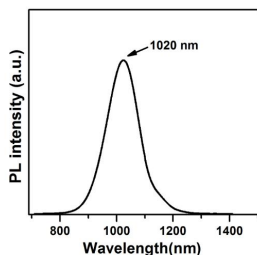
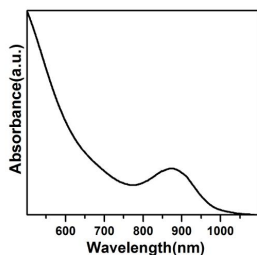
Applications

Display

Solid-state lighting

Solar cells

QLED



Ordering Information

website: www.abvigen.com

Phone: +1 929-202-3014

Email: info@abvigenus.com