PbSe Quantum Dots in Hexane

Description

Oil Double PbSe quantum dots are a type of nanomaterial with PbSe as the core, whose surface is wrapped by other types of materials and modified with hydrophobic ligands to dissolve in non-polar organic solvents.Oil Double PbSe Quantum Dots, due to their small size and specific electronic structure, possess unique optical properties that enable them to emit strong light within a specific wavelength range, with adjustable emission wavelengths. At the same time, the material also has higher fluorescence quantum yield and lower extinction coefficient, which means that they can generate stronger fluorescence signals at the same concentration and have stronger penetration in biological samples.

Abvigen can provides high-quality Oil Double PbSe Quantum Dots with high fluorescence efficiency and good chemical stability, which are commonly used in biological labeling, solar concentrators, high-performance photodetectors, and other fields.

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

Characteristics

Type: Quantum Dots

Size: 10 mg

Format : Liquid

Surface: Oleic acid

Emission Peak: 1500 nm - 2100 nm

Buffer: DI Water

Store: Storage at 2 - 8 °C

Storage

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

For 10 mg of PbSe Quantum Dots in Hexane

Cat No	Product Name	QuantumYield	FWHM/nm
APbSe-1500	PbSe Quantum Dots in Hexane, 1500±50 nm	≥ 40%	≤ 150
APbSe-1600	PbSe Quantum Dots in Hexane, 1600±50 nm	≥ 40%	≤ 150
APbSe-1700	PbSe Quantum Dots in Hexane, 1700±50 nm	≥ 40%	≤ 150
APbSe-1800	PbSe Quantum Dots in Hexane, 1800±50 nm	≥ 40%	≤ 150
APbSe-1900	PbSe Quantum Dots in Hexane, 1900±50 nm	≥ 40%	≤ 200
APbSe-2000	PbSe Quantum Dots in Hexane, 2000±50 nm	≥ 40%	≤ 200
APbSe-2100	PbSe Quantum Dots in Hexane, 2100±50 nm	≥ 40%	≤ 200

Ordering Information

Website: www.abvigen.com

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