

**PRODUCT SPECIFICATION**

Product name: **Zinc Oxide Quantum Dots (ZnO QDs) coated with butyrate ligands**  
 Product number: ZnO-BA-S  
 Form: Powder  
 Description: Highly purified hydrophobic Zinc Oxide Quantum Dots coated with organic ligand shell without a presence of free organic ligand. Monodispersed, narrow size distribution, solution-stable, bright yellow luminescence upon excitation with UV.

<b>Properties</b>	<b>Specification / value</b>
Appearance	White, air-stable powder
Excitation	355 nm ± 5 nm
Emission (max.)	530 nm ±10 nm
FWHM	125 nm ± 5 nm
Core size	2 – 10 nm
Solubility	Colloidal solution in THF, DMSO, Et <sub>2</sub> O
Storage conditions	Room temperature, to be used in 3 months after opening

**PACKAGING**

<b>Catalogue number</b>	<b>Quantity</b>
ZnO-BA-S-50	50 mg
ZnO-BA-S-100	100 mg
ZnO-BA-S-250	250 mg

PRODUCT INTENDED FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY