

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.

Properties	Specification / value
Appearance	White, air-stable powder
Excitation	340 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 ₂ O
Storage conditions	Room temperature, to be used in 3 months after opening

PACKAGING

Catalogue number	Quantity
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