

PRODUCT SPECIFICATION

Product name: **Zinc Oxide Quantum Dots (ZnO QDs) coated with methoxylate ligands**

Product number: ZnO-ME-S

Form: Powder

Description: Highly purified hydrophobic Zinc Oxide Quantum Dots coated with short-chain organic ligands (without a presence of free organic ligand).
Monodispersed, stable, narrow size distribution, bright yellow luminescence upon excitation with UV.

Properties	Specification / value
Appearance	White, air-stable powder
Excitation	365 nm ± 5 nm
Emission (max.)	555 nm ± 5 nm
FWHM	120 nm ± 5 nm
Core size	2 – 10 nm
Solubility	Colloidal solution in DMSO; Stable dispersions in THF, MeOH, H ₂ O, Et ₂ O, toluene and acetone
Storage conditions	Room temperature, to be used in 3 months after opening

PACKAGING

Catalogue number	Quantity
ZnO-ME-S-50	50 mg
ZnO-ME-S-100	100 mg
ZnO-ME-S-250	250 mg

PRODUCT INTENDED FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY