

PRODUCT SPECIFICATION

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

Product number: ZnO-PA-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	335 nm ± 5 nm
Emission (max.)	525 nm ± 5 nm
FWHM	108 nm ± 5 nm
Core size	2 – 10 nm
Solubility	Dispersion in THF, DMSO, acetone, toluene, CH ₂ Cl ₂ , EtOH, MeOH
Storage conditions	Room temperature, to be used in 3 months after opening

PACKAGING

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

PRODUCT INTENDED FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY