



## PRODUCT MANUAL

Product name:	Zinc Oxide Quantum Dots coated with 10-undecynoate ligands
Product number:	ZnO-UA-S

### Colloidal solution preparation (2 mg/mL)

- (1) Weigh out 10 mg of Zinc Oxide Quantum Dots powder and put in vial.
- (2) Add 5 mL of an appropriate solvent (i.e., THF, DMSO, toluene, CH<sub>2</sub>Cl<sub>2</sub>) to the vial.
- (3) Then place the vial in an ultrasonic bath for at least 10 minutes.
- (4) Store the resulting colloidal solution at room temperature (the resulting solution should be stable at least one month).
- (5) If white precipitate appears at the bottom of the vial, place the vial in an ultrasonic bath for at least 10 minutes again.

### Caution: Nanoparticles

Handling: Wear personal protective equipment, face and eyes protection. Wear protective gloves. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Ensure proper ventilation. Avoid dust formation. Avoid breathing vapors, dust, mist or gas.

PRODUCT INTENDED FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY