**PRODUCT MANUAL**

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| Product name: | **Zinc Oxide Quantum Dots coated with formate ligands** |
| Product number: | ZnO-FA-S |

Solution preparation (5 mg/mL)

(1) Weigh out 10 mg of ZnO-FA-S powder and transfer to glass vial.
(2) Add 2 mL of an appropriate solvent (i.e., THF, DMSO, EtOH) to the vial.
(3) Sonicate for at least 10 minutes.
(4) Store the resulting colloidal solution at room temperature.
(5) Solution should be stable for at least one month. If white precipitate appears at the bottom of the vial, sonicate for at least 10 minutes again.

Stable dispersion of ZnO QDs in water or in MeOH could be also prepared within the above-mentioned procedure.

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.



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