



PRODUCT MANUAL

Product name:	Zinc Peroxide Nanoparticles
Product number:	ZnO ₂ -S

Dispersion preparation (5 mg/mL)

- (1) Weigh out 10 mg of ZnO₂-S powder and transfer to glass vial.
- (2) Add 2 mL of an appropriate solvent (i.e., DMSO, MeOH, EtOH, EtOAc, acetone, H₂O) to the vial.
- (3) Sonicate for at least 10 minutes.
- (4) Store the resulting dispersion at room temperature.
- (5) If white precipitate appears at the bottom of the vial, sonicate for at least 10 minutes again.

Long-term storage of the product in the form of aqueous dispersions is not recommended due to the relatively fast (<24 h) decomposition of ZnO₂ to ZnO in the water environment.

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