

Product Specification

Product: TriLight™ Nanocrystals NC665

Authorized for research use only

Contents

The vial(s) contain CdS_xSe_{1-x}/ZnS core/shell nanocrystals coated with oleic acid as ligand. The physical properties of nanocrystals are as follows: the emission wavelength, λ_{max} , is 665±5 nm; full width at half maximum (FWHM) of the emission spectra is 30 +/-5 nm; size (in diameter) is 7-9 nm; and the quantum yield is 75-85%. The nanocrystals are normally shipped in toluene. Nanocrystals are also available in other solvents by request.

Instructions

The nanocrystals should be stored in the dark at 4 °C. The shelf life is approximately one year under these conditions. Nanocrystals may be isolated by using a polar solvent/nonpolar solvent precipitation method. Normally, methanol is used as the polar solvent. Nanocrystals will begin to precipitate at 30-40% methanol in toluene.

