

Product Specification

Product: TriLite™ Nanocrystals NC490A

Authorized for research use only

Contents

The vial(s) contain $\text{CdS}_x\text{Se}_{1-x}/\text{ZnS}$ core/shell nanocrystals coated with oleic acid as ligand. The physical properties of nanocrystals are as follows: the emission wavelength, λ_{max} , is 490 ± 5 nm; full width at half maximum (FWHM) of the emission spectra is 30-40 nm; size (in diameter) is 5.5-6.5 nm. The nanocrystals are 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.

Spectra

Emission spectra

