

Materials List for:

Seeded Synthesis of CdSe/CdS Rod and Tetrapod Nanocrystals

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Materials

Name	Company	Catalog Number	Comments
Sodium hydroxide, 98%	Fisher	BP359	
Myristic acid, 99%	Sigma Aldrich	M3128	
Methanol, 99.8%	Fisher	A412	
Cadmium nitrate tetrahydrate, 99%	Sigma Aldrich	20911	Highly toxic
Cadmium oxide (CdO), 99.99%	Sigma Aldrich	202894	Highly toxic
1-Octadecene (ODE), 90%	Sigma Aldrich	O806	Technical grade
Selenium (Se), 100 mesh, 99.99%	Sigma Aldrich	229865	
Tri-n-octylphosphine (TOP), 97%	Strem	15-6655	Air sensitive
Sulfur (S), 99.9995%	Alfa Aesar	10343	
Trioctylphosphine oxide (TOPO), 99%	Strem	15-6661	
N-Octadecylphosphonic acid (ODPA), 99%	PCI Synthesis	104224	
Methanol, anhydrous, 99.8%	Sigma Aldrich	322415	
Toluene, anhydrous, 99.8%	Sigma Aldrich	244511	
Chloroform, anhydrous, 99%	Sigma Aldrich	288306	
Acetone, 99.9%	Fisher	A949	Dried over 4Å sieves
Hexane, anhydrous, 95%	Sigma Aldrich	296090	
2-Propanol, anhydrous, 99.5%	Sigma Aldrich	278475	
Selenium dioxide, 99.999%	Sigma Aldrich	204315	
Oleic acid, 90%	Sigma Aldrich	364525	Technical grade
Oleylamine, 70%	Sigma Aldrich	O7805	Technical grade
Propylphosphonic acid (PPA), 95%	Sigma Aldrich	305685	
Ethanol, anhydrous, 99.5%	Sigma Aldrich	459836	
Octylamine, 99%	Sigma Aldrich	O5802	