

Materials List for:

Synthesis of Bimetallic Pt/Sn-based Nanoparticles in Ionic Liquids

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Materials

Name	Company	Catalog Number	Comments
Platinum(II) acetate (PtCl ₂)	Acros	ACRO369670010	99%, anhydrous, toxic
Tin(II) acetate (Sn(ac) ₂)	Strem	50-1975	99%
Tin(II) chloride (SnCl ₂)	Sigma Aldrich	452335	98%; harmful
Methyltriocetylammmonium bis(trifluoromethylsulfonyl) imide ([OMA][NTf ₂])	IoLitec	IL-0017-HP	99 %; n.a.; H ₂ O < 100 ppm; halides < 100 ppm
Tetrahydrofurane	Sigma Aldrich	186562	99.9 %; anhydrous; carcinogenic
Acetonitrile	Sigma Aldrich	271004	99.8%; anhydrous; harmful
n-Hexane	Sigma Aldrich		95%, flammable, carcinogenic, toxic
(Trans)-cinnamaldehyde	Sigma Aldrich	14371-10-9	99%; irritant
Methyltriocetylammmonium bromide	Sigma Aldrich	365718	97%; irritant
Potassium hydride (KH)	Sigma Aldrich	215813	30 wt.-% dispersion in mineral oil; corrosive
Triethylborane (B(Et) ₃)	Witco	257192	95%; toxic, pyrophoric
N-oleylsarcosine (Korantin-SH)	BASF		
H ₂	Air Liquide		99.9 %, flammable