Materials List for:

Scale-up Chemical Synthesis of Thermally-activated Delayed Fluorescence Emitters Based on the Dibenzothiophene-S,S-Dioxide Core

Oleh Vybornyi[1], Neil J. Findlay[1], Peter J. Skabara[1]

[1]WestCHEM, Department of Pure and Applied Chemistry, University of Strathclyde

Correspondence to: Peter J. Skabara at peter.skabara@strath.ac.uk

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Materials

Name	Company	Catalog Number	Comments
2-Chloro-2-methylpropane, 99+%	Sigma Aldrich	19780	
2-Dicyclohexylphosphino-2′,4′,6′-triisopropylbiphenyl (XPhos), 97%	Sigma Aldrich	638064	Air sensitive
9-H-carbazole, 95%	Alfa Aesar	A11448	Air sensitive
Bromine, 99.5%	Fisher	10452553	Highly toxic
Chloroform, anhydrous, 99%	Sigma Aldrich	288306	
Dibenzothiophene, 98%	Sigma Aldrich	D32202	
Dichloromethane, anhydrous, 99.8%	Sigma Aldrich	270997	
Glacial acetic acid, 99.7+%	Alfa Aesar	36289	Corrosive to skin
Hexane, anhydrous, 95%	Sigma Aldrich	296090	
Hydrogen peroxide solution (30 % (w/w) in H_2O)	Sigma Aldrich	H1009	Corrosive to skin
Magnesium sulfate, 99.5%	Alfa Aesar	33337	
Nitromethane, 98+%	Alfa Aesar	A11806	Highly explosive
Phenothiazine, 98+%	Alfa Aesar	A12517	Air sensitive
Sodium tert-butoxide, 97%	Sigma Aldrich	359270	
Tert-butanol, anhydrous, 99.5%	Sigma Aldrich	471712	
Toluene, anhydrous, 99.8%	Sigma Aldrich	244511	
Tris(dibenzylideneacetone) dipalladium(0), Pd 21.5% min	Alfa Aesar	12760-03	Air sensitive
Zinc (II) chloride, anhydrous, 98+%	Alfa Aesar	A16281	