

Materials List for:

Mizoroki-Heck Cross-coupling Reactions Catalyzed by Dichloro{bis[1,1',1''-(phosphetriyl)tripiperidine]}palladium Under Mild Reaction Conditions

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Materials

Name	Company	Catalog Number	Comments
Phosphorous trichloride	Sigma-Aldrich	157791	Reagent Plus, 99%
Piperidine	Sigma-Aldrich	104094	Reagent Plus, 99%
Dichloro(1,5-cyclooctadiene)palladium(II)	Sigma-Aldrich	275891	99%
Styrene	Sigma-Aldrich	S4972	Reagent Plus, contains 4- <i>tert</i> -butylcatechol as stabilizer, ≥99%
1-Bromo-4-phenoxybenzene	Sigma-Aldrich	B65209	99%
Tetrabutylammonium bromide	Acros Organics	185680025	+99%
Potassium carbonate	Sigma-Aldrich	347825	Reagent grade, ≥98%, powder, -325 mesh
Silica gel	Merck	107734	Silica gel 60 (0.063-0.2 mm), for column chromatography
Diethyl ether	Sigma-Aldrich	673811	Anhydrous, ACS reagent, ≥99.0%, contains BHT as inhibitor
Tetrahydrofuran (THF)	Sigma-Aldrich	186562	anhydrous, contains 250 ppm BHT as inhibitor, ≥99.9%
Pentane	Sigma-Aldrich	158941	reagent grade, 98%
N-Methyl-2-pyrrolidone (NMP)	Sigma-Aldrich	M79603	Reagent Plus, 99%