

Materials List for:

Palladium *N*-Heterocyclic Carbene Complexes: Synthesis from Benzimidazolium Salts and Catalytic Activity in Carbon-carbon Bond-forming Reactions

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Materials

Name	Company	Catalog Number	Comments
1-chloro-4-nitrobenzene	Sigma-Aldrich (Interlab A.S., USA)		
2,5-dimethoxyphenylboronic acid	Sigma-Aldrich (Interlab A.S., USA)		
2- <i>n</i> -butylfuran	Sigma-Aldrich (Interlab A.S., USA)		
2- <i>n</i> -butylthiophene	Sigma-Aldrich (Interlab A.S., USA)		
3-chloropyridine	Merck (Darmstadt, Germany)		
4-bromoacetophenone	Merck (Darmstadt, Germany)		
4-bromoanisole	Sigma-Aldrich (Interlab A.S., USA)		
4-chlorotoluene	Sigma-Aldrich (Interlab A.S., USA)		
4-methoxy-1-chlorobenzene	Merck (Darmstadt, Germany)		
4-tert-butylphenylboronic acid	Sigma-Aldrich (Interlab A.S., USA)		
Benzimidazole	Merck (Darmstadt, Germany)		
Bromobenzene	Merck (Darmstadt, Germany)		
Celite	Merck (Darmstadt, Germany)		
Dichloromethane	Merck (Darmstadt, Germany)		
Diethyl ether	Sigma-Aldrich (Interlab A.S., USA)		
Ethyl acetate	Sigma-Aldrich (Interlab A.S., USA)		
Ethyl alcohol	Merck (Darmstadt, Germany)		
Hexane	Merck (Darmstadt, Germany)		
Magnesium sulfate	Scharlau (Barcelona, Spain)		
<i>N,N</i> -dimethylacetamide	Merck (Darmstadt, Germany)		
<i>N,N</i> -dimethylformamide	Merck (Darmstadt, Germany)		
Palladium chloride	Merck (Darmstadt, Germany)		
Phenylboronic acid	Sigma-Aldrich (Interlab A.S., USA)		
Potassium acetate	Merck (Darmstadt, Germany)		
Potassium carbonate	Scharlau (Barcelona, Spain)		
Potassium hydroxide	Merck (Darmstadt, Germany)		
Silica gel	Merck (Darmstadt, Germany)		
Sodium tert-butoxide	Merck (Darmstadt, Germany)		
Thianaphthene-2-boronic acid	Sigma-Aldrich (Interlab A.S., USA)		