

Synthesis of Sterically Hindered Secondary and Tertiary Alkyl(Aryl)Phosphines

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Abstract—Cross coupling of silylphosphines with 2-halobenzenecarboxylates or 2-halophenyl ethers, catalyzed with zero-valent palladium complexes can not be used as a procedure for preparing sterically hindered tertiary phosphines. The latter compounds can be successfully prepared by means of phosphorylation of corresponding *o*-lithiated derivatives.