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Title:	Pd(II)-Catalyzed Direct β -Arylation of C(sp ³)-H Bonds of Aliphatic and Alicyclic Carboxamides Via One-pot Method
Authors:	Mohan, Sruthi (/jspui/browse?type=author&value=Mohan%2C+Sruthi)
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Abstract:	A step economical one-pot multicomponent reaction protocol comprising the installation of the bidentate directing group followed by the Pd(II)-catalyzed C-H activation and β -arylation of C(sp ³)-H bonds of carboxamides is reported. Accordingly, the reaction of a mixture of an acid chloride, bidentate ligand (e.g., 8-aminoquinoline), and an aryl iodide in the presence of the Pd(OAc) ₂ catalyst and Ag ₂ CO ₃ additive directly afforded the corresponding β -C-H -arylated N-(quinolin-8-yl) carboxamide derivatives.
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