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Title:	Studies on Pd(II)-catalyzed Directing-Group aided Regioselective C-H Functionalization of Carboxamides
Authors:	Padmavathi, Rayavarapu
Keywords:	Pd(II)-catalyzed Regioselective Carboxamides
Issue Date:	28-Jul-2021
Publisher:	IISERM
Abstract:	The thesis entitled "Studies on Pd(II)-catalyzed directing-group aided regioselective C-H functionalization of carboxamides" divulge the bidentate directing group-enabled palladium-catalyzed regioselective (a) synthesis of C-3 functionalized thiophene/ furan carboxamides, (b) intramolecular amidation of δ -C(sp ²)-H bonds of carboxamides and synthesis of phenanthridinone and quinolone derivatives, and (c) functionalization of the unexplored sites of azoarenes such as C-3/C4 positions.
URI:	http://hdl.handle.net/123456789/3743
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