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Title:	Pd(OAc) <sub>2</sub> -Catalyzed, AgOAc-Promoted Z Selective Directed $\beta$ -Arylation of Acrylamide Systems and Stereoselective Construction of Z-Cinnamamide Scaffolds
Authors:	Parella, R. (/jspui/browse?type=author&value=Parella%2C+R.) Babu, S.A. (/jspui/browse?type=author&value=Babu%2C+S.A.)
Keywords:	Amides Stereochemistry Molecular structure Arylation
Issue Date:	2015
Publisher:	American Chemical Society
Citation:	Journal of Organic Chemistry, 80(24)
Abstract:	A Pd(OAc) <sub>2</sub> -catalyzed, AgOAc-promoted and bidentate ligand-directed Z selective C–H activation, followed by the $\beta$ -arylation of the C(sp <sup>2</sup> )–H bond of N-(quinolin-8-yl)acrylamide systems with aryl- and heteroaryl iodides, and a contemporary method for the construction of various Z-cinnamamides and $\beta,\beta$ -diarylated acrylamides are reported. A plausible reaction mechanism comprising the bidentate ligand-aided, chelation-based C–H functionalization was proposed for the observed Z selective $\beta$ -arylation of N-(quinolin-8-yl)acrylamide systems.
URI:	<a href="https://pubs.acs.org/doi/abs/10.1021/acs.joc.5b02264">https://pubs.acs.org/doi/abs/10.1021/acs.joc.5b02264</a> ( <a href="https://pubs.acs.org/doi/abs/10.1021/acs.joc.5b02264">https://pubs.acs.org/doi/abs/10.1021/acs.joc.5b02264</a> ) <a href="http://hdl.handle.net/123456789/2732">http://hdl.handle.net/123456789/2732</a> ( <a href="http://hdl.handle.net/123456789/2732">http://hdl.handle.net/123456789/2732</a> )
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