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| Title: | Ruthenium-Catalyzed Hydroarylation of Anilides with Alkynes: An Efficient Route to Ortho-Alkenylated Anilines |
| Authors: | Manikandan, R. (/jspui/browse?type=author&value=Manikandan%2C+R.) Jeganmohan, M. (/jspui/browse?type=author&value=Jeganmohan%2C+M.) |
| Keywords: | Hydrocarbons Chemical reactions Aromatic compounds Organic compounds Arylation |
| Issue Date: | 2014 |
| Publisher: | American Chemical Society. |
| Citation: | Organic Letters, 16(3), pp.912-915. |
| Abstract: | Acetanilides reacted with symmetrical as well as unsymmetrical alkynes in the presence of $[\{\text{RuCl}_2(\text{p-cymene})\}_2]$, pivalic acid, and AgSbF_6 in iso-PrOH providing ortho-alkenylated acetanilides in a highly regio- and stereoselective manner. Later, ortho-alkenylated acetanilides were converted into ortho-alkenylated anilines in the presence of HCl. |
| URI: | https://pubs.acs.org/doi/10.1021/ol403666s (https://pubs.acs.org/doi/10.1021/ol403666s) http://hdl.handle.net/123456789/3035 (http://hdl.handle.net/123456789/3035) |
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