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Title:	Cu-Catalyzed Hydrophosphonylation of 2-(2-Enynyl)pyridines: Easy Access to Indolizine-Containing Diarylmethylphosphonates
Authors:	Mahesh, S. (/jspui/browse?type=author&value=Mahesh%2C+S.) Anand, R.V. (/jspui/browse?type=author&value=Anand%2C+R.V.)
Keywords:	Hydrophosphonylation Nitrogen heterocycles Cyclization
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Publisher:	WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim
Citation:	European Journal of Organic Chemistry, 2017(19), pp.2698-2706.
Abstract:	An efficient protocol for the synthesis of indolizine-containing unsymmetrical diarylmethylphosphonates through a Cu-catalyzed 5-endo-dig ring-closing reaction of 2-(2-enynyl)pyridines followed by remote hydrophosphonylation is described. A competent method for the synthesis of indolizine-based diarylmethylphosphonates is described. This protocol involves a metal-catalyzed 5-endo-dig-cyclization of 2-(2-enynyl)pyridine derivatives followed by a remote addition of diarylphosphites to provide indolizine-containing diarylmethylphosphonates in good yields.
URI:	https://chemistry-europe.onlinelibrary.wiley.com/doi/abs/10.1002/ejoc.201700146 (https://chemistry-europe.onlinelibrary.wiley.com/doi/abs/10.1002/ejoc.201700146) http://hdl.handle.net/123456789/2662 (http://hdl.handle.net/123456789/2662)
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