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Title:	Frontispiece: Cyclopenta[b]annulation of Heteroarenes by Organocatalytic γ [C(sp ³)-H] Functionalization of Ynones
Authors:	Raghu, M. (/jspui/browse?type=author&value=Raghu%2C+M.) Grover, J. (/jspui/browse?type=author&value=Grover%2C+J.) Ramasastry, S.S.V. (/jspui/browse?type=author&value=Ramasastry%2C+S.S.V.)
Keywords:	Cyclopentannulation Heterocycles Hydroalkylation Organophosphines
Issue Date:	2016
Publisher:	Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim
Citation:	Chemistry - A European Journal, 22(51).
Abstract:	Intramolecular Hydroalkylation Organocatalytic γ [C(sp ³)-H] functionalization of ynones has been achieved for the first time. Nucleophilic addition of an organophosphine to the designed ynones leads to the formation of heteroaryl-based ortho-quinodimethane (oQDM) intermediates, which undergo an unusual carbocyclization to provide functionalized cyclopenta-fused heteroarenes. The present study can have potential implications on the development of new organocatalytic C(sp ³)-H-functionalization pathways.
URI:	https://chemistry-europe.onlinelibrary.wiley.com/doi/full/10.1002/chem.201685161 (https://chemistry-europe.onlinelibrary.wiley.com/doi/full/10.1002/chem.201685161) http://hdl.handle.net/123456789/2390 (http://hdl.handle.net/123456789/2390)
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