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Title:	One-Pot Multicatalytic Approaches for the Synthesis of Cyclohepta[b]indoles, Indolotropones, and Tetrahydrocarbazoles
Authors:	Mishra, U.K. (/jspui/browse?type=author&value=Mishra%2C+U.K.) Yadav, Sonu (/jspui/browse?type=author&value=Yadav%2C+Sonu) Ramasastry, S.S.V. (/jspui/browse?type=author&value=Ramasastry%2C+S.S.V.)
Keywords:	Catalysts Indoles Catalytic reactions Diversity oriented synthesis
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Abstract:	Diversity oriented one-pot synthesis of cyclohepta[b]indoles, indolotropones, and tetrahydrocarbazoles (THCs) have been reported. Readily accessible 3-(2-aminophenyl)-5-hexenyn-3-ols under a one-pot trimetallic orthogonal catalysis furnish tetrahydrocyclohepta[b]indoles, and a one-pot quadruple reaction sequence of the enynols generates dihydrocyclohepta[b]indoles and indolotropones. During this study, formation of THCs was realized to be a reason for the yield loss in certain cases, this observation led to the development of a one-pot bimetallic approach for the synthesis of 1,3-disubstituted THCs.
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