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Title:	"Organophosphine Catalyzed Intramolecular Hydroacylation and δ^1 [C(Sp ³) – H] Functionalization of Activated Ynones."
Authors:	Hazra, Raju (/jspui/browse?type=author&value=Hazra%2C+Raju)
Keywords:	Hydroacylation Activated Ynones
Issue Date:	Nov-2018
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Abstract:	We present an organophosphine catalyzed MBH-type reaction of activated ynone and the outcome is the hydroacylation of α , β -ynone, which leads to the formation of cyclopentadione-fused arenes and heteroarenes. In addition, we also present an organophosphine catalyzed intramolecular aldol reaction of keto-ynone, which is actually an organophosphine catalyzed δ^1 [C(sp ³)-H]- functionalization of α , β -ynone, leading to the formation of 3-ethynyl-3-hydroxyindanones. Both the methodology occurs at mild conditions and is tolerant to a variety of functional groups and hence we are able to synthesize a series of compound having different type of functional groups with good to excellent yield.
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