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Title:	Nickel-Catalyzed Selective Synthesis of $\alpha$ -Alkylated Ketones via Dehydrogenative Cross-Coupling of Primary and Secondary Alcohols			
Authors:	Bains, Amreen K (/jspui/browse?type=author&value=Bains%2C+Amreen+K) Biswas, Ayanangshu (/jspui/browse?type=author&value=Biswas%2C+Ayanangshu) Adhikari, Debashis (/jspui/browse?type=author&value=Adhikari%2C+Debashis)			
Keywords:	nickel catalysis cross-coupling secon-dary alcohols radicalreaction			
Issue Date:	2021			
Publisher:	Wiley			
Citation:	Advanced Synthesis & Datalysis, 364(1), 47–52.			
Abstract:	Herein,we describean isolable,air-stable,homogeneous,nickel catalystthat performsdehydrogenativecross-couplingreactionbetweensecondaryand primaryalcoholsto result $\alpha$ -alkylatedketoneproductsselectively. The sequenceof stepsinvolvein this one-potreactionis dehydrogenationof both alcohols,condensationbetweenthe ketoneand the aldehyde,and hydrogenationof the in situ-generated $\alpha,\beta$ -unsaturatedketone.Preliminarymechanisticinvestigationhints a radicalmechanismfollowingborrowinghydrogenreaction			
Description:	Only IISERM authors are available in the record			
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