# Journal of Chemical Research, Issue 11, 1989

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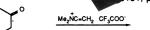
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Deprotonation by lithium diisopropylamide at low temperature gives the unstable azomethine ylide, which undergoes 1,3-dipolar addition even with unactivated alkenes, to give pyrrolidines: J.Chem.Soc.,Chem.Commun., 31 (1983):



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Conjugate addition of cis-alkenylzirconium reagents, from the hydrozirconation of alkynes, to Michael acceptors, with retention of configuration: *J.Am.Chem.Soc.*, **102**, 1333 (1980).

Coupling of Grignard reagents to give biaryls: *J.Org.Chem.*, **41**, 2252 (1976). Coupling of Grignard reagents with silyl enol ethers of both aldehydes and ketones, to give alkenes. In contrast to dichlorobis(triphenylphosphine)nickel, 0369, p.335, this reagent gives the thermodynamically more stable alkene: *Tetrahedron Lett.*, 3915 (1980):

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