Journal of Chemical Research, Issue 5, 1991

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de, is converted to the Mannich reagent, N,N-oacetate, an excellent reagent for the α -dimethyl-Bull.Soc.Chim.Fr., 2707 (1970). Compare dimethyl-0131, p.423:

Me₂NC=CH₂ CF₃COO

CH, NMe,

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):

Me₃NO

LDA, THF

 $H_2C = N CH_3$

MeN

42%

Compare also N-methylmorpholine-N-oxide, 5957, p.710.

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0

RC ≡ CAlMe₂

Ni(acac)₂

RC **≡** C

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)nicke reagent gives the thermodynamically more stable alkene: *Tetrah* (1980):

ROSiMe₃

PhMgBr

Ni(acac)₂

- ^ Ph

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