

## Journal of Chemical Research, Issue 9, 1991

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(—)

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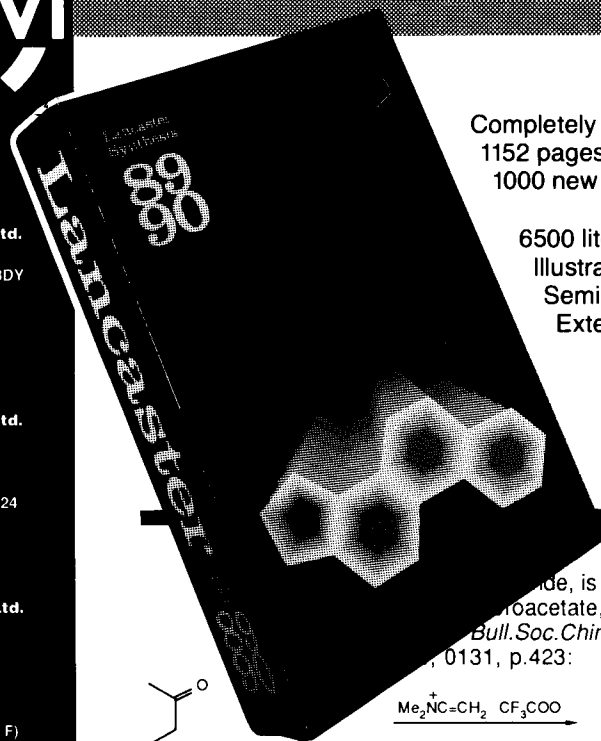
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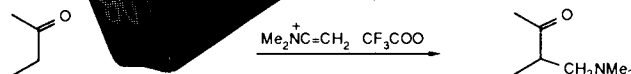
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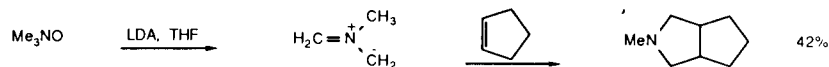


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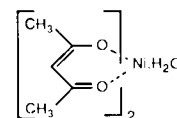
... is converted to the Mannich reagent, N,N-dimethylacetamide, an excellent reagent for the  $\alpha$ -dimethyl-  
*Bull.Soc.Chim.Fr.*, 2707 (1970). Compare dimethyl-  
*J. Chem. Soc. Chem. Commun.*, 10131, p.423:



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

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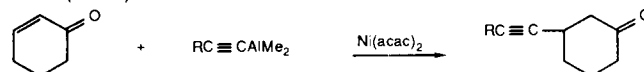
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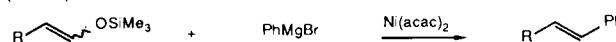
Conjugate addition of alkynylaluminium reagents to enones: *J. Am. Chem. Soc.*, 100, 2244 (1978):



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, this reagent gives the thermodynamically more stable alkene: *Tetrahedron*, 36, 1005 (1980):



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