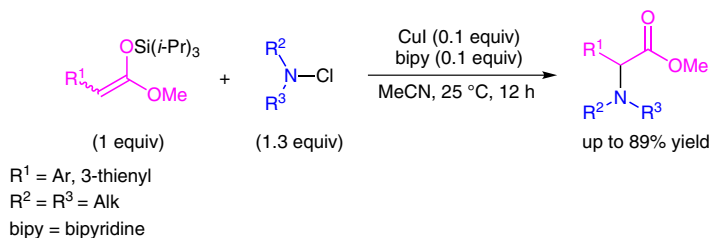
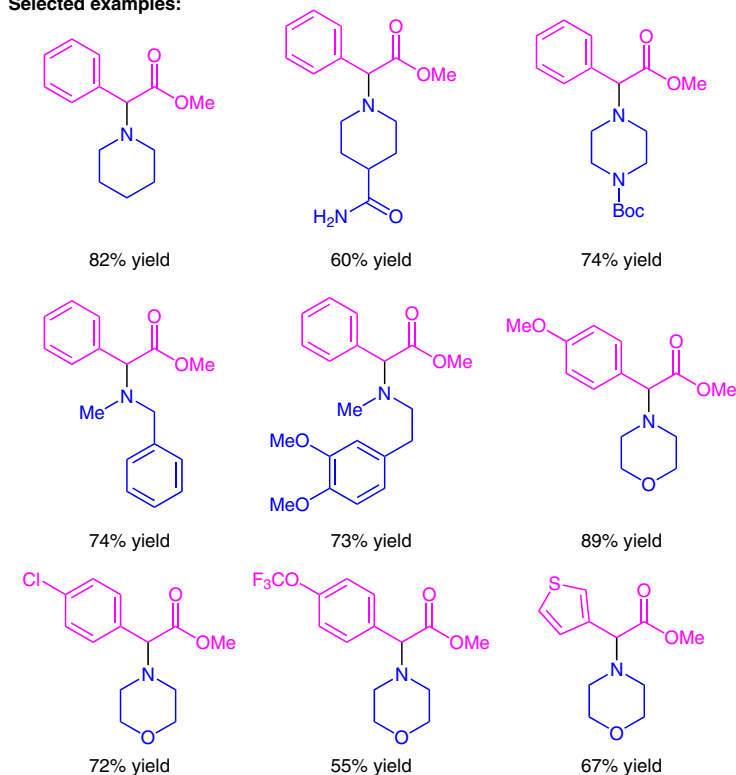


T. MIURA, M. MORIMOTO, M. MURAKAMI* (KYOTO UNIVERSITY, JAPAN)
Copper-Catalyzed Amination of Silyl Ketene Acetals with *N*-Chloroamines
Org. Lett. **2012**, *14*, 5214–5217.

Copper-Catalyzed Amination of Silyl Ketene Acetals with *N*-Chloroamines



Selected examples:



Significance: A copper-catalyzed amination reaction of silyl ketene acetals with *N*-chloroamines under mild reaction conditions has been developed. The formation of the corresponding α -amino esters is catalyzed by a copper(I)–2,2′-bipyridyl complex which furnishes them in high yield.

Comment: According to the authors, the bulky silyl group disfavors the formation of unwanted by-products and improves the yield of the desired α -amino ester. Furthermore, the facile availability of *N*-chloroamines from secondary amines with NCS permits a one-pot, two-step synthesis, especially if the *N*-chloroamine is too unstable for isolation.

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