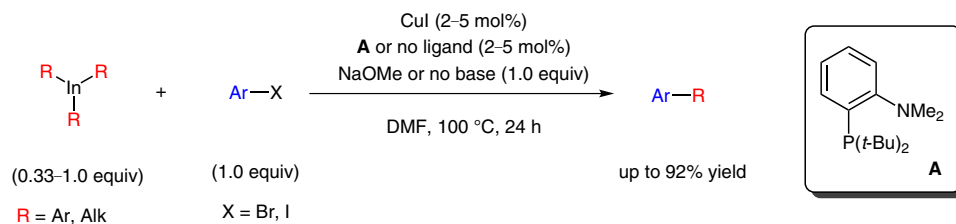


S. THAPA, S. K. GURUNG, D. A. DICKIE, R. GIRI* (UNIVERSITY OF NEW MEXICO, ALBUQUERQUE, USA)

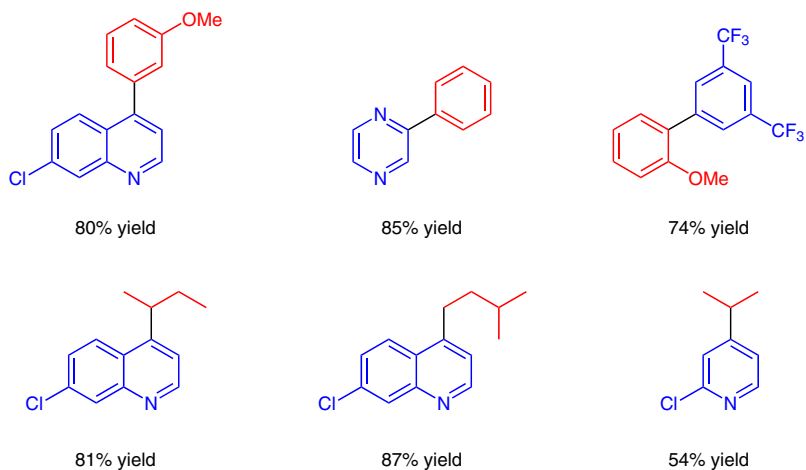
Copper-Catalyzed Coupling of Triaryl- and Trialkylindium Reagents with Aryl Iodides and Bromides through Consecutive Transmetalations

Angew. Chem. Int. Ed. **2014**, *53*, 11620–11624.

Copper-Catalyzed Coupling of Indium Reagents



Selected examples:



Significance: Giri and co-workers describe a copper(I)-catalyzed coupling of triorganotin reagents with aryl iodides and bromides. This reaction shows high functional group tolerance, while being compatible with sterically hindered substrates, leading to the expected products in good yield.

Comment: The reaction can be performed with low catalyst loadings (2 mol%) and only requires 0.33 equivalents of the triorganotin reagent with respect to the aryl halide.

SYNFACTS Contributors: Paul Knochel, Jeffrey M. Hammann
 Synfacts 2015, 11(1), 0084 Published online: 15.12.2014
 DOI: 10.1055/s-0034-1379658; Reg-No.: P16214SF

2015 © THIEME STUTTGART • NEW YORK