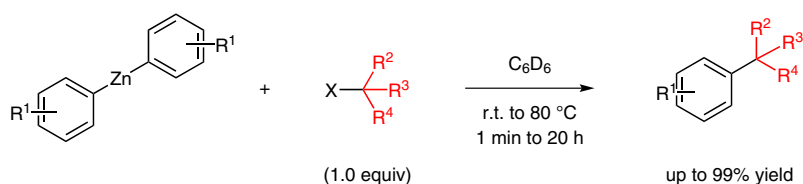
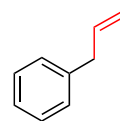
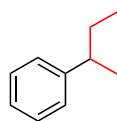
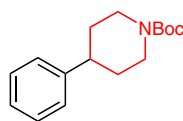
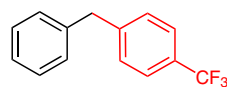
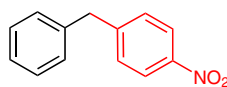
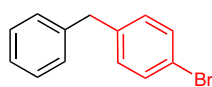


J. J. DUNSFORD, E. R. CLARK, M. J. INGELSON* (UNIVERSITY OF MANCHESTER, UK)
Direct C(sp²)–C(sp³) Cross-Coupling of Diaryl Zinc Reagents with Benzylic, Primary, Secondary, and Tertiary Alkyl Halides
Angew. Chem. Int. Ed. **2015**, *54*, 5688–5692.

Direct Cross-Coupling of Diaryl Zinc Reagents



Selected examples:



Significance: Ingelson and co-workers developed an operationally simple method for the direct C(sp²)–C(sp³) cross-coupling of diarylzinc reagents with benzylic, primary, secondary, and tertiary alkyl halides, leading to the alkylated products in good yields.

Comment: The reactivity of this cross-coupling reaction was highly solvent dependent and showed excellent functional group tolerance. The products were generally obtained in good yields, and purification by column chromatography was not required.