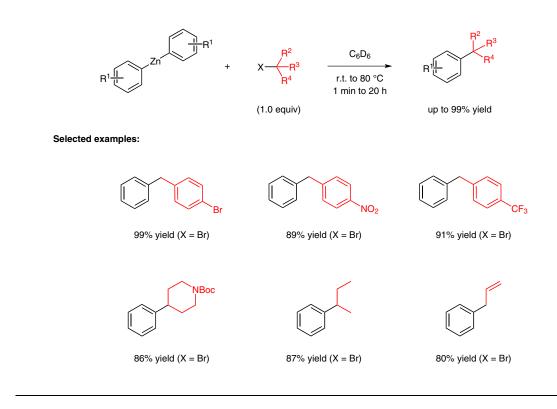
J. J. DUNSFORD, E. R. CLARK, M. J. INGELSON* (UNIVERSITY OF MANCHESTER, UK) Direct $C(sp^2)-C(sp^3)$ Cross-Coupling of Diaryl Zinc Reagents with Benzylic, Primary, Secondary, and Tertiary Alkyl Halides

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Direct Cross-Coupling of Diaryl Zinc Reagents



Significance: Ingelson and co-workers developed an operationally simple method for the direct $C(sp^2)-C(sp^3)$ 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.

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Category

Metal-Mediated Synthesis

Key words

zinc

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