Direct Cross-Coupling of Organoaluminum Reagents

![Chemical structure](image)

**Significance:** The authors report a direct cross-coupling of arylaluminum reagents and organic halides without an external catalyst. As the steric and electronic properties of functional groups on the aromatic ring had little influence on the reactivity, a variety of coupling products were obtained in high yields.

**Comment:** Interestingly, the reactions of aromatic iodides or bromides bearing a tosylate, triflate, or carbamate group did show high chemoselectivity, as the coupling only took place at the halide. Additionally, an ICP-MS analysis was performed to exclude traces of transition metals (level of 1 ppb).