

# Nucleophile Selective Cross-Coupling Reactions

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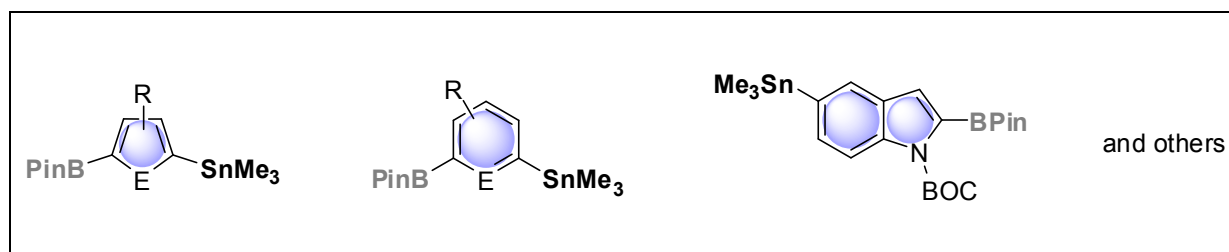
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While electrophile selective cross-coupling reactions are an often-used, powerful tool in synthesis, the analogous nucleophile selective cross-coupling reactions have received very little attention, in particular for aromatic dinucleophiles.

One of the reasons for this striking lack of useful reactions is that there are very few reliable procedures for the synthesis of such aromatic dinucleophiles.

In this presentation, a new general route to (hetero-) aromatic dinucleophiles containing a stannyl and a boronic acid ester will be presented.

First studies concerning the selective cross-coupling of such dinucleophiles will be disclosed<sup>1</sup> and their application in the synthesis of semiconducting polymers will be discussed.<sup>2</sup>



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2. J. Linshoeft, E. J. Baum, A. Hussain, P. J. Gates, C. Näther, A. Staubitz, *Angew. Chem. Int. Ed.* **2014**, 53, 12916.