**Negishi Cross-Coupling Using Aryl Ethers as Coupling Partners**

**Significance:** The first nickel-catalyzed cross-coupling of aryl ethers with aromatic zincates via C–O bond cleavage is described. The corresponding biaryls are obtained in moderate to good yields. Electron-rich coupling partners furnish higher product yields than reagents containing electron-withdrawing groups.

**Comment:** It is noteworthy that, besides the methoxy moiety, this methodology may be extended to ethyl and isopropyl ethers as well. Furthermore, this protocol allows a facile conversion of chiral substrates into the corresponding biaryls without racemization.

<chem>Ar^1 = (substituted) Naph, pyrazyl, pyridyl, 4-CON(i-Pr)C_6H_4</chem>
<chem>Ar^2 = (substituted) Ph, p-/m-/anisyl, p-/o-/m-/Tol, biphenyl, Naph</chem>

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**Selected examples:**

- 76% yield
- 32% yield
- 71% yield
- 67% yield
- 40% yield
- 45% yield