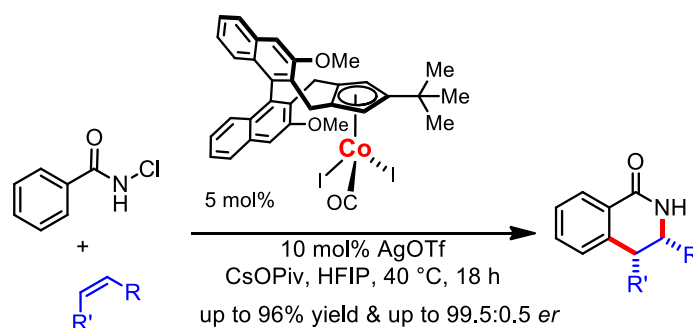


Chiral Cp^xCo(CO)₂ Complexes for the Stereoselective Synthesis of Dihydroisoquinolones

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In recent years, the C–H functionalization catalyzed by non-noble 3d metals has gained a significant attention.[1] In particular, the numerous reports on the catalytic efficiency of Cp^{*}Co(CO)₂ has triggered our interest in development of the related chiral complexes for asymmetric transformations. We have recently reported the performance of these complexes in the benchmark reaction affording dihydroisoquinolones.[2] The products were obtained in high yields and excellent stereoselectivities and were typically outperforming the related Rh(III) complexes.



- [1] P. Gandeapan, T. Müller, D. Zell, G. Cera, S. Warratz, L. Ackermann. *Chem. Rev.* **2019**, *119*, 2192–2452.
- [2] K. Ozols, Y.-S. Jang, N. Cramer. *J. Am. Chem. Soc.* **2019**, *141*, 5675–5680.