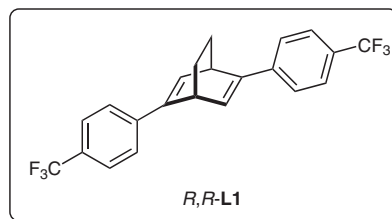
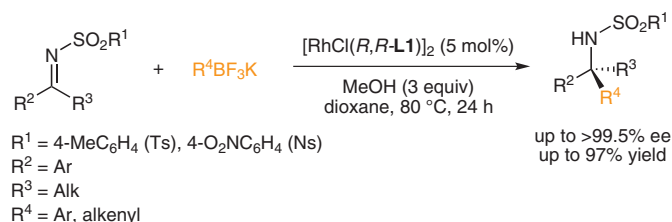
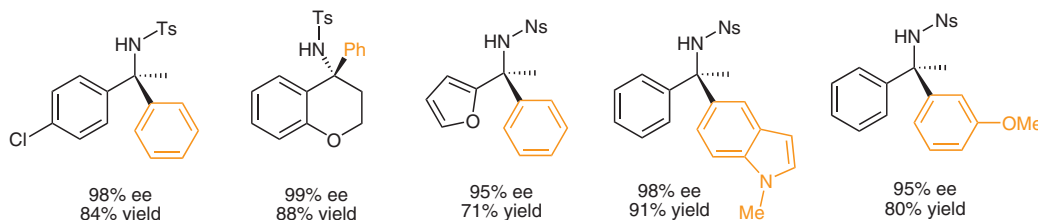


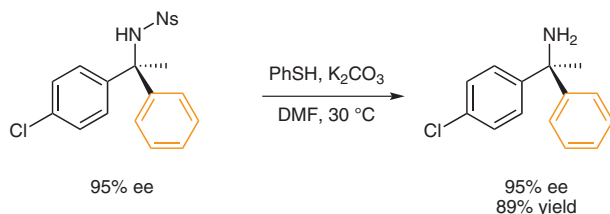
Rh-Catalyzed Asymmetric Addition of Trifluoroborates to Sulfonylketimines



Selected examples:



Typical deprotection of the addition products:



Significance: Easily accessible potassium organotrifluoroborates undergo a rhodium-catalyzed asymmetric addition to both *N*-tosyl and *N*-nosyl ketimines. The use of a chiral bicyclicoctadiene-based ligand allows high enantiomeric excess in the product formation.

Comment: In the case of nosyl groups, the addition products can easily be deprotected using thiophenol/potassium carbonate, retaining the enantiomeric purity. For related applications of dienic ligands, see: K. Okamoto, T. Hayashi, V. H. Rawal *Org. Lett.* **2008**, 10, 4387.