Hayashi Lab. Homepage http://www.ykbsc.chem.tohoku.ac.jp/



Single diastereomer Angew. Chem., Int. Ed., 50, 3774 (2011).

Reaction using diarylprolinol silyl ether derivatives as catalyst











Aldol reaction by diarylprolinol as a catalyst



Aldol reaction by diarylprolinol as a catalyst





Reaction by siloxyproline catalyst



Organic solvent free reaction



Application of High Pressure Induced by Water-Freezing to the direct catalytic asymmetric reaction

1,4-asymmetric induction using Cobalt alkyne complex





Metal-free oxidative transformations using O₂

