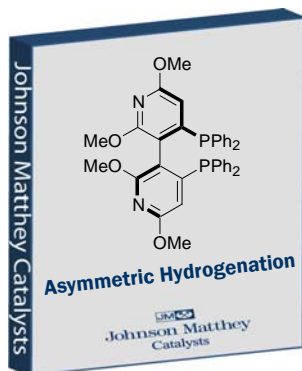




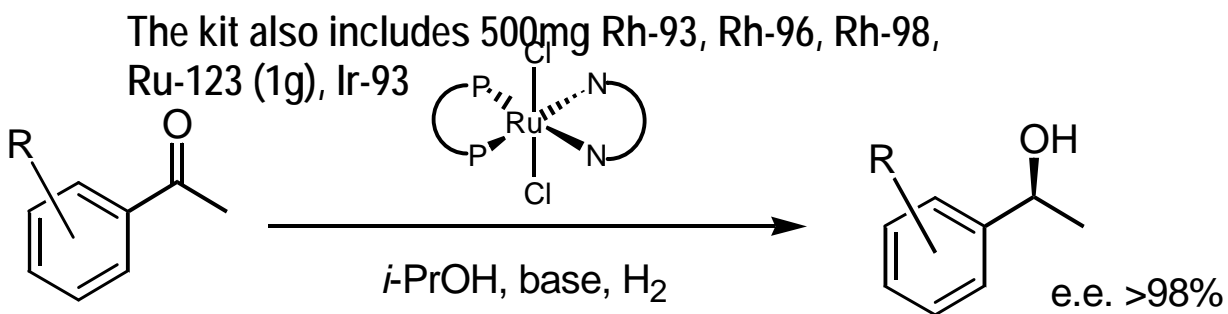
Asymmetric Hydrogenation Kit



This 20 sample kit contains 5 fully formed catalysts, 10 ligands and 5 metal precursors which are suited to a wide variety of transformations. It includes general application recommendations. Additional custom development is available from Johnson Matthey.

Kit includes 200 mg of the following catalysts:

- [(R)-Xyl-PPhos RuCl₂ (R,R)-DPEN]
- [(S)-Xyl-PPhos RuCl₂ (S)-Daipen]
- [Rh cod (R)-Phanephos] BF₄
- (R)-[Rh cod TCFP]BF₄
- (S)-Xyl-PPhos Ru(acac)₂
- (R)-PPhos / (S)-PPhos
- (R)-XylPPhos / (S)-XylPPhos
- (R)-An-Phanephos / (S)-An-Phanephos
- (R)-Me-Bophoz / (S)-Me-Bophoz



Asymmetric hydrogenation using a Noyori Ru Diamine Catalyst

Above materials may be handled and weighed in air but are best stored under inert conditions. Controlled reaction conditions are required, i.e. degassed solvents. It is recommended that the catalysts are studied in a selection of solvents. The Ru-diamine catalysts are to be tested under anhydrous conditions with a selection of bases in isopropanol.