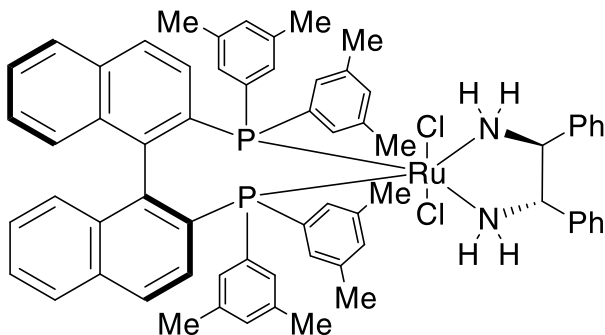


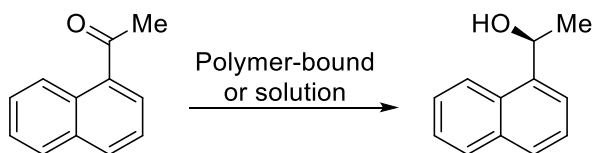
Catalog # 44-0224 Dichloro((S)-(-)-2,2'-bis[di(3,5-xylyl)phosphino]-1,1'-binaphthyl)[(1S,2S)-(-)-1,2-diphenylethylene-diamine]ruthenium(II)



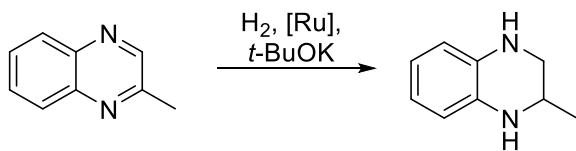
Note: Manufactured under license of Takasago patent. Takasago BINAP Ru Diammine Catalyst Kit component.

Technical Notes:

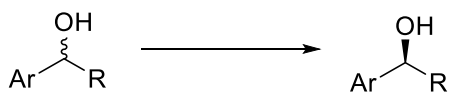
1. See [44-0210](#).
2. Sequential asymmetric hydrogenation reactions with solution or polymer-bound BINAP/Diamine complexes.
3. Asymmetric hydrogenation of imines.
4. Catalysts for deracemization of benzylic alcohols.



Tech Note (2)
Ref. (2)



Tech Note (3)
Ref. (3)



Tech Note (4)
Ref. (4)

References:

1. *Angew Chem. Int. Ed.*, **2001**, 40, 40. (review)
2. *Adv. Synth. Catal.*, **2001**, 343, 369.
3. *Adv. Synth. Catal.*, **2003**, 345, 195.
4. *Chem. Commun.*, **2007**, 2608.

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