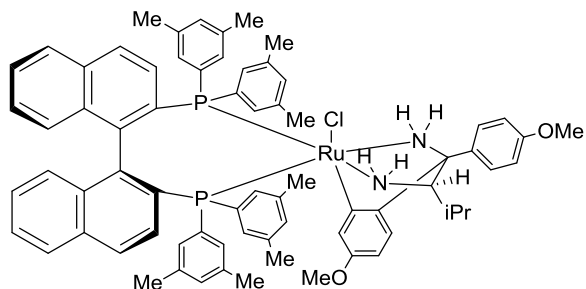


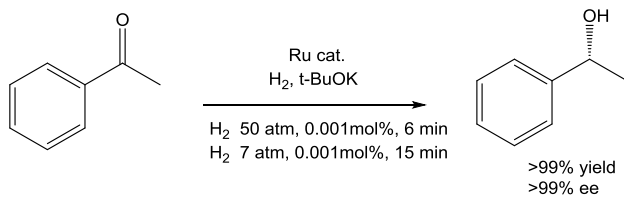
Catalog # 44-0218 Chloro{(S)-(-)-2,2'-bis[di(3,5-xylyl)phosphino]-1,1'-binaphthyl}[(2S)-(+)-1-(4-methoxyphenyl)-1'-(4-methoxyphenyl-kC)-3-methyl-1,2-butanediamine]ruthenium(II) (S)-RUCY[®]-XylBINAP



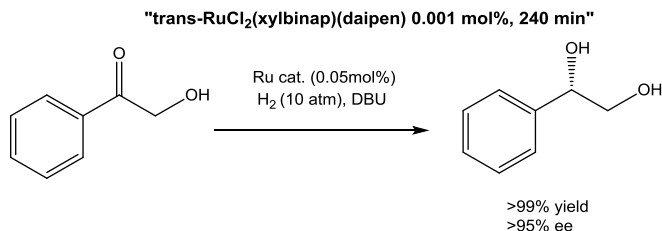
Note: Sold in collaboration with Takasago. US Patent 9079931.

Technical Note:

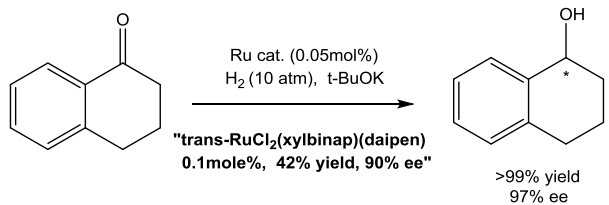
1. Catalyst used for the rapid, and highly selective hydrogenation of ketones.



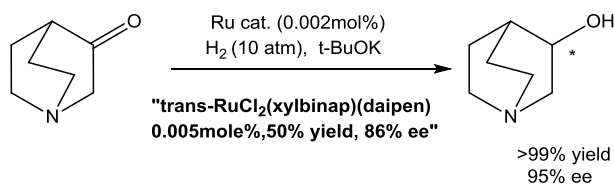
Tech. Note (1)
Ref. (1)



Tech. Note (1)
Ref. (1)



Tech. Note (1)
Ref. (1)



Tech. Note (1)
Ref. (1)

References:

1. (a) US. Pat. **9079931**. (b) *J. Am. Chem. Soc.*, 2011, 133, 10696.