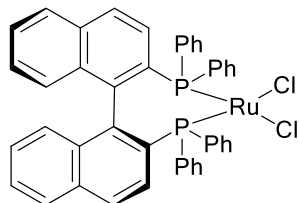
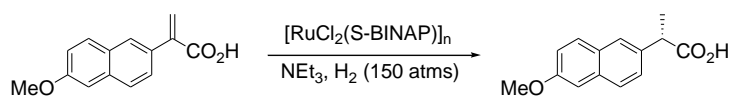


Catalog # 44-0249 Dichloro[(S)-(-)-2,2'-bis(diphenylphosphino)-1,1'-binaphthyl]ruthenium(II), min. 95%

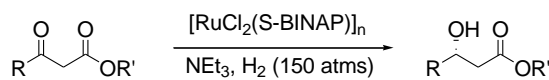


Technical Notes:

1. Enantioselective catalyst for the asymmetric hydrogenation of α,β -unsaturated olefins.
2. Efficient catalyst for the asymmetric reduction of carbonyl groups, such as β -ketoesters.



Tech. Note (1)
Ref. (1)



Tech. Note (2)
Ref. (2)

References:

1. *U.S. Patent* 5,198,561.
2. *Tetrahedron Asymm.*, **1997**, 8, 3327.