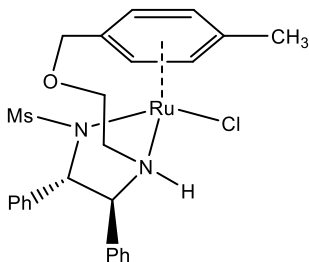


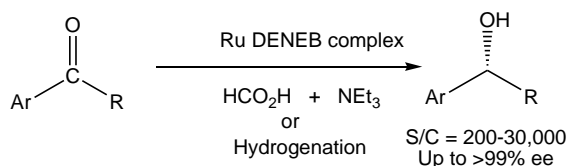
Catalog # 44-0256 Chloro{N-[(1S,2S)-2-[(R)-[2-[[1,2,3,4,5,6-η]-4-methylphenyl]methoxy]ethyl]amino]-1,2-diphenylethyl-methanesulfonamido}ruthenium(II) Ru-(S,S)-Ms-DENEb



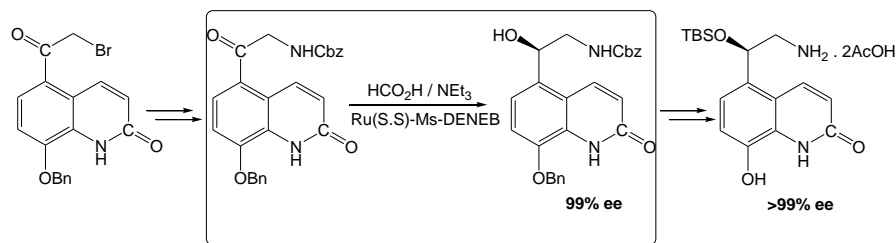
Note: Manufactured under license of Takasago patent application PCT/JP2011/064490. Takasago ATH Catalyst Kit component.

Technical Notes:

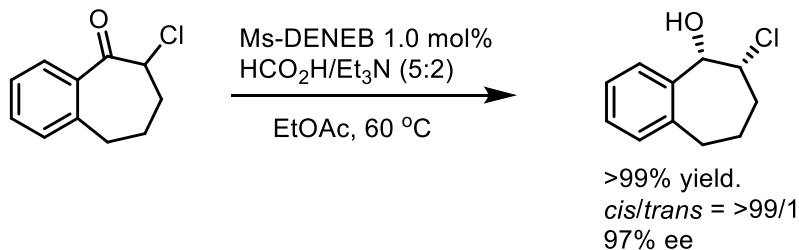
1. Catalyst used for both hydrogenation and asymmetric transfer hydrogenation.
2. Ruthenium catalyst used as a key intermediate in a synthesis of a receptor agonist.
3. Convincing Catalytic Performance of Oxo-Tethered Ruthenium Complexes for Asymmetric Transfer Hydrogenation of Cyclic α -Halogenated Ketones through Dynamic Kinetic Resolution



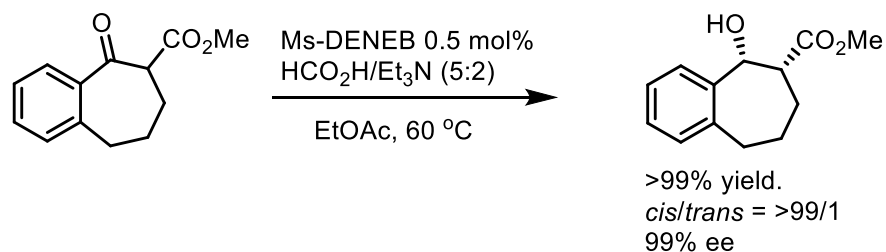
Tech. Note (1)
Ref. (1)



Tech. Note (2)
Ref. (2)



Tech. Note (3)
Ref. (3)



References:

1. *J. Am. Chem. Soc.*, **2011**, 133, 14960.
2. *Org. Process Res. Dev.*, **2015**, 19, 315.
3. *Org. Lett.* **2021**, 23, 3070.