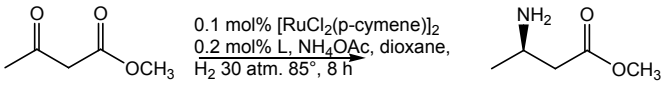
Catalog # D282691 Diacetato{(S)-(+)-5,5'-Bis[di(3,5-di-t-butyl-4-methoxyphenyl)phosphino]-4,4'-bi-1,3-benzodioxole}ruthenium(II)

$Ru(OAc)_2$[(S)-dtbm-segphos®]

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

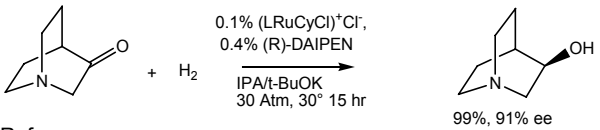
Technical Notes:

1. Biaryl bisphosphine ligand with narrow dihedral angle. The DM-SEGPHOS ligand, as the ruthenium complex, gives superior enantioselectivity and diastereoselectivity in the asymmetric hydrogenation of α-substituted-β-ketoesters.
2. Ruthenium catalyzed enantioselective synthesis of β amino acids by hydrogenation.
3. Ruthenium catalyzed asymmetric hydrogenation of 3-quinuclidinone.



87%, 94% ee

Tech. Note (2)
Ref. (1)



99%, 91% ee

Tech. Note (3)
Ref. (2)

References:

1. *WIPO Pat.* WO2005028419.
2. *U.S. Pat. App.* 2006047122.