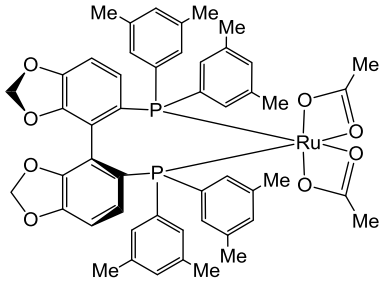
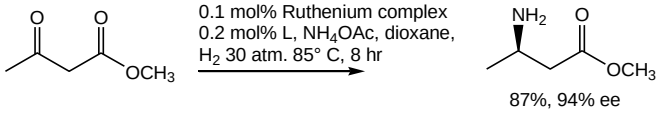
Catalog # D282689 Diacetato{(S)-(-)-5,5'-bis[di(3,5-xylyl)phosphino]-4,4'-bi-1,3-benzodioxole}ruthenium(II)
$Ru(OAc)_2$[(S)-dm-segphos®]



Note: Sold in collaboration with Takasago. Takasago SEGPHOS® 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.



Tech. Note (2)
Ref. (1)

References:

1. *US. Pat.* ***7626034***