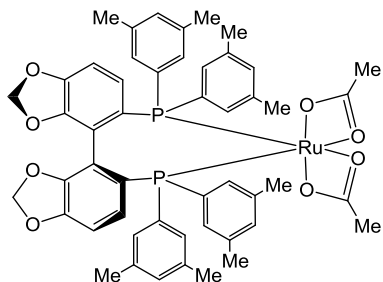


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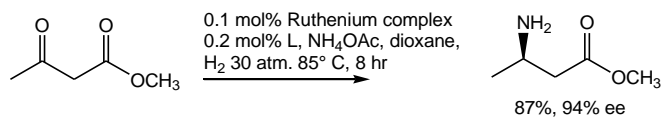
Catalog # 44-0176 Diacetato{(S)-(-)-5,5'-bis[di(3,5-xylyl)phosphino]-4,4'-bi-1,3-benzodioxole}ruthenium(II)
Ru(OAc)₂[(S)-dm-segphos@]



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. See [15-0066](#).
2. Ruthenium catalyzed enantioselective synthesis of β amino acids by hydrogenation.



Tech. Note (2)
Ref. (1)

References:

1. *US. Pat. 7626034*