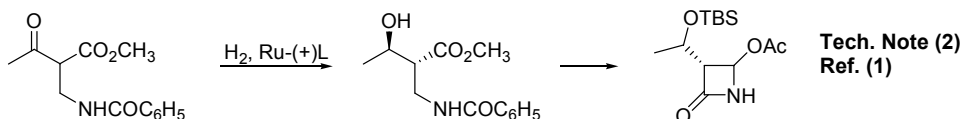


Catalog # 44-0103 Chloro{(S)-(+)-5,5'-bis[di(3,5-di-t-butyl-4-methoxyphenyl)phosphino]-4,4'-bi-1,3-benzodioxole}(p-cymene)ruthenium(II) chloride [RuCl(p-cymene)((S)-dtbm-segphos®)]Cl

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

Technical Notes:

1. See [15-0066](#).
2. Biaryl bisphosphine ligand with narrow dihedral angle. The DTBM SEGPPOS ligand, as the ruthenium complex, gives superior enantioselectivity and diastereoselectivity through dynamic kinetic resolution in the asymmetric hydrogenation of α -substituted- β -ketoesters useful in the synthesis of carbapenum antibiotics.



References:

1. *Adv. Synth. Cat.*, **2001**, 343, 264.