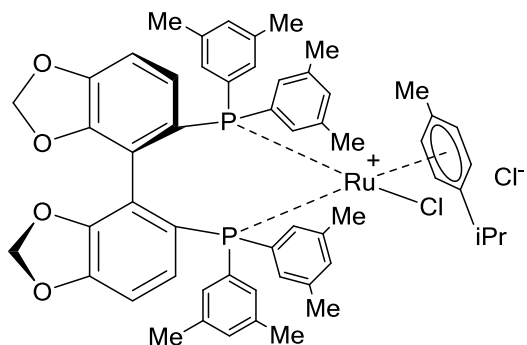


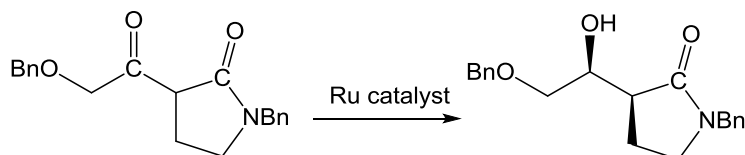
Catalog # 44-0098 Chloro((R)-(+)-5,5'-bis[di(3,5-xylyl)phosphino]-4,4'-bi-1,3-benzodioxole)(p-cymene)ruthenium(II) chloride  
 [RuCl(p-cymene)((R)-dm-segphos®)]Cl



Note: Sold in collaboration with Takasago. Takasago SEGPHOS Catalyst Kit component.

Technical Notes:

1. Ruthenium catalyst used for the asymmetric hydrogenation of  $\beta$ -ketoimides.



**Tech. Note (1)**  
**Ref. (1)**

Reference:

1. *J. Org. Chem.*, **2012**, *77*, 4732.