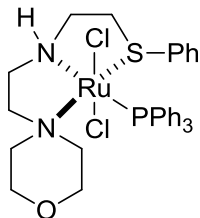


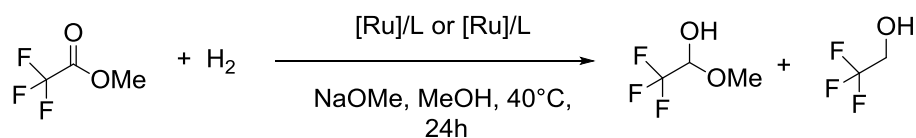
Catalog # 44-0550

Dichloro[rel-[N(S)]-N-[2-[(R)-phenylthio-κS]ethyl]-4-morpholineethanamine-κNN4,κN4]  
(triphenylphosphine)Ruthenium(II)

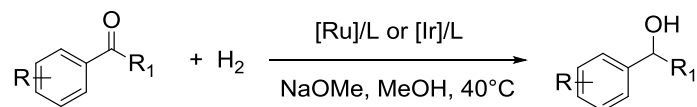


**Technical Notes**

1. Ligand for Ru or Ir-catalyzed hydrogenation of carbonyl functionalities.
2. Ligand for Ru or Ir-catalyzed hydrogenation of select aromatic ketones.



**Tech. Note (1)**  
**Ref. (1-3)**



**Tech. Note (2)**  
**Ref. (1-3)**

**References:**

1. *Organometallics* **2015**, 34, 4464.
2. Patent No. WO 2015191505 A1 (**2015**).
3. Patent No. US 20170088571 A1 (**2017**).