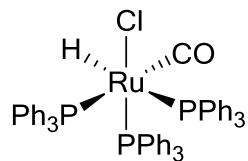
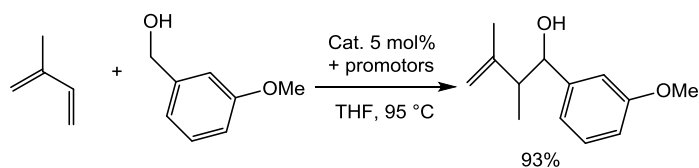


Catalog # 44-0085 Carbonylchlorohydridotris(triphenylphosphine)ruthenium(II), 99%

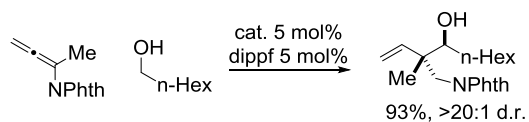


Technical Notes:

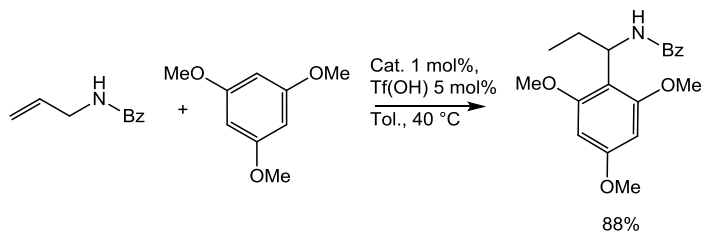
1. Catalyst for alcohol  $\alpha$ -allylation with dienes or allenes under transfer hydrogenation conditions.
2. Catalyst for tandem isomerization (to imine), followed by Friedel Crafts alkylation.
3. Catalyst for amination of alcohols with ammonia.



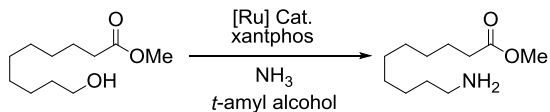
**Tech Note (1)**  
**Ref. (1)**



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



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



**Tech Note (3)**  
**Ref. (4)**

References:

1. *J. Am. Chem. Soc.*, **2008**, *130*, 6338.
2. *J. Am. Chem. Soc.*, **2011**, *133*, 1141.
3. *J. Am. Chem. Soc.*, **2008**, *130*, 14453.
4. *Angew. Chem. Int. Ed.*, **2011**, *50*, 7599.