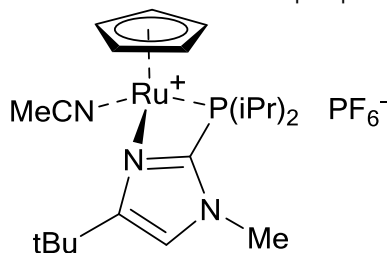
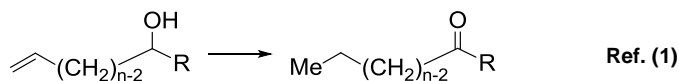


Catalog # 44-0017 Acetonitrile(cyclopentadienyl)[2-(di-*i*-propylphosphino)-4-(*t*-butyl)-1-methyl-1H-imidazole]ruthenium(II) hexafluorophosphate, min. 98% [Alkene Zipper Catalyst]

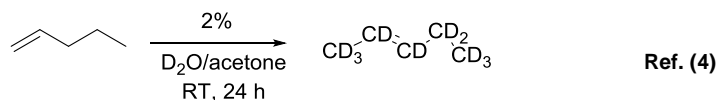
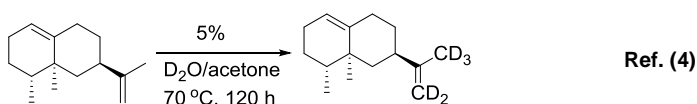
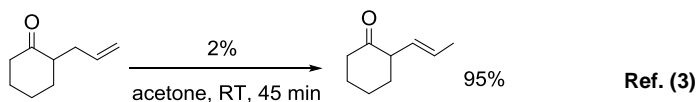
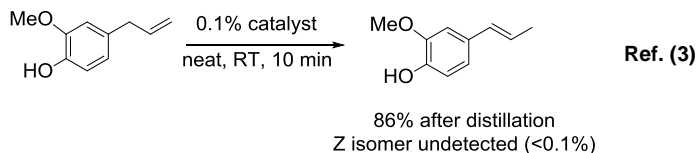
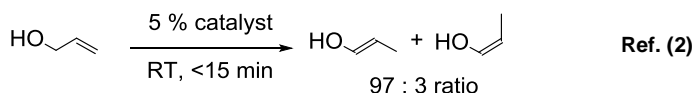


**Technical Note:**

1. "Zipper" catalyst for alkene isomerization over up to 30 double bond positions (Ref. 1). Selective isomerization over one position also possible (Ref. 2, 3). Depending on substrate structure, H/D exchange at accessible allylic positions can be accompanied by isomerization (Ref. 4).



where  $n = 3, 4, 9, 20, 30$   
 $R = H, CH_3$



**References:**

1. *J. Am. Chem. Soc.*, **2007**, 129, 9592.
2. *Topics in Catalysis*, **2010**, 53, 1015.
3. *J. Am. Chem. Soc.*, **2012**, 134, 10357.

4. *J. Am. Chem. Soc.*, **2009**, 131, 10354.