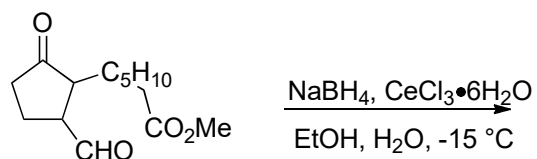
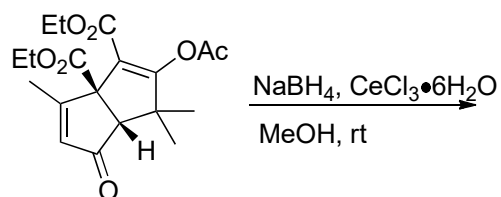
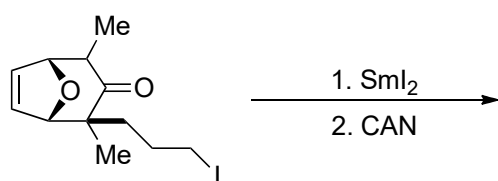
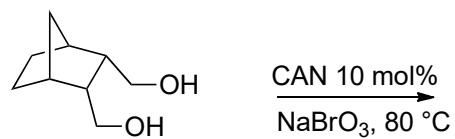
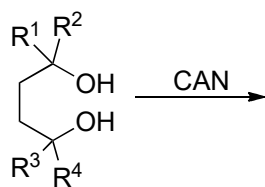
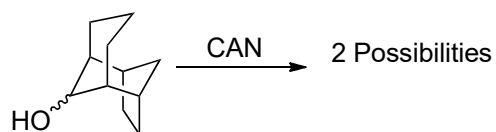
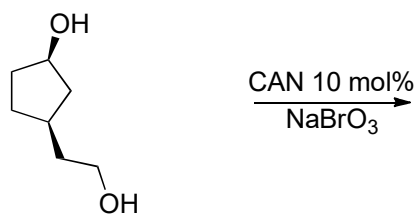
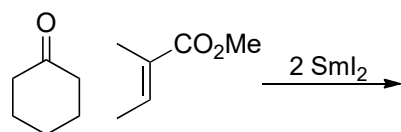
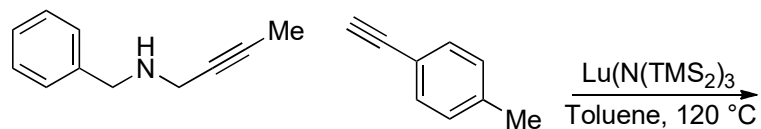
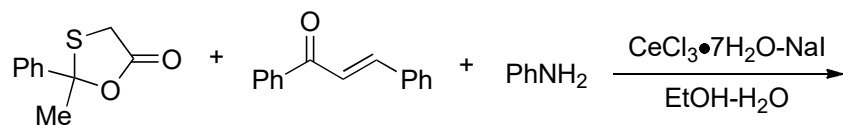
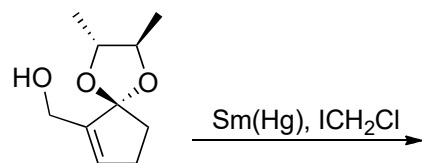
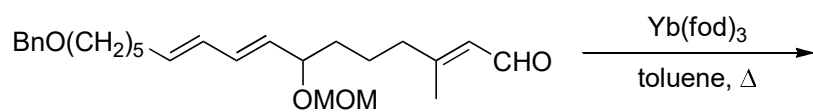
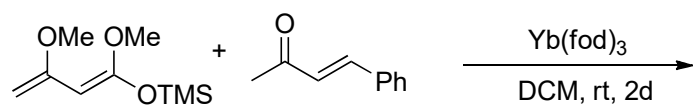
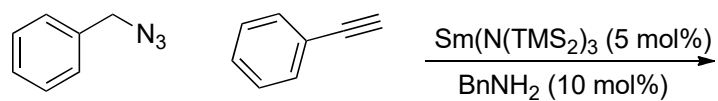
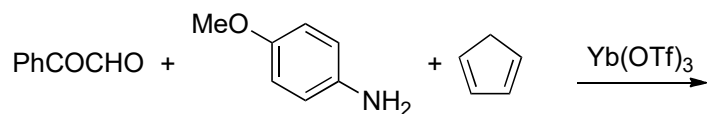
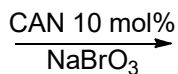
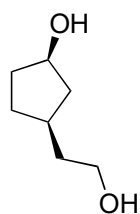


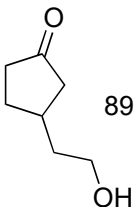
Some interesting examples of Lanthanide chemistry





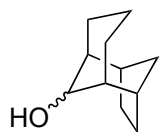


Tetrahedron Letters, 1982, vol. 23, # 5, p. 539

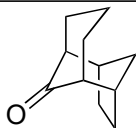


89%

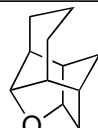
Primary alcohols show limited oxidizability with CAN



2 Possibilities



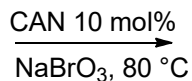
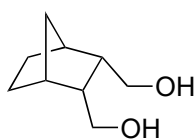
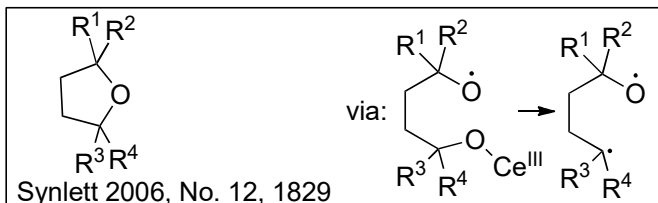
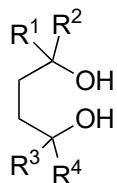
90 % from SM



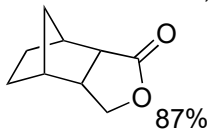
85 % from SM

when alcohol is in down position, 1,5 H-abstraction can take place

Tetrahedron Letters NO.30, pp. 230

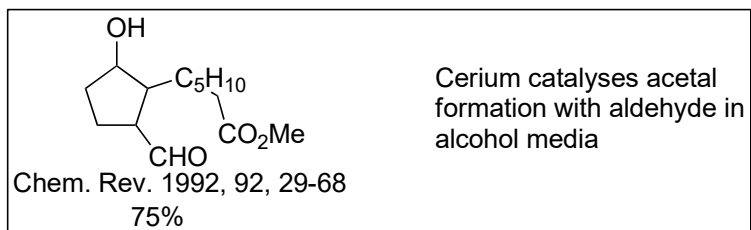
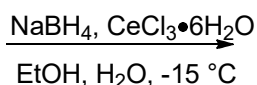
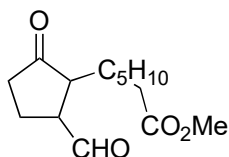
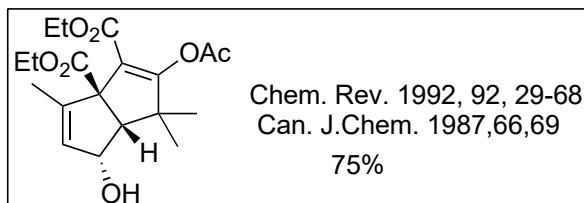
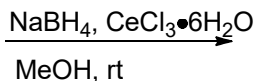
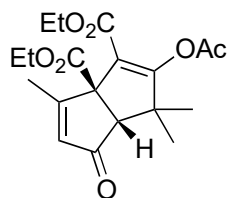
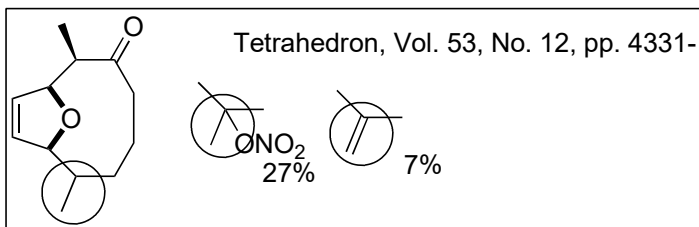
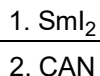
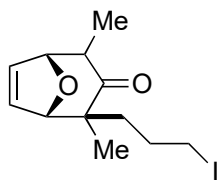


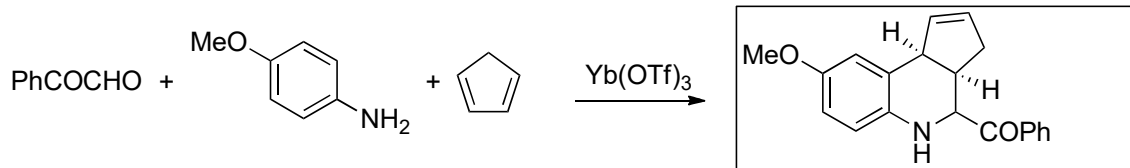
Tetrahedron Letters, 1982, vol. 23, # 5, p. 539



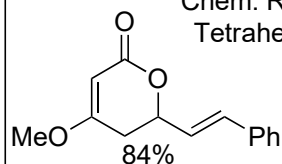
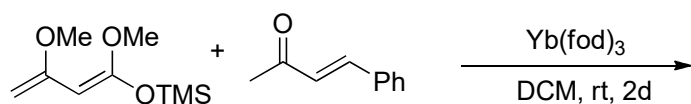
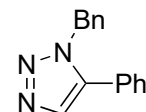
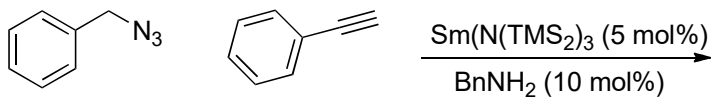
87%

presumed to proceed via lactol

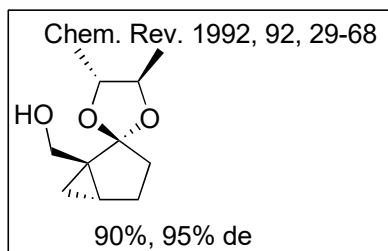
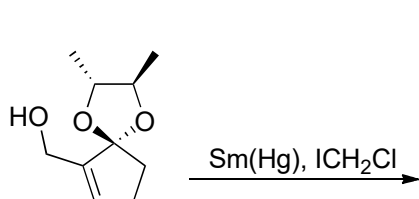
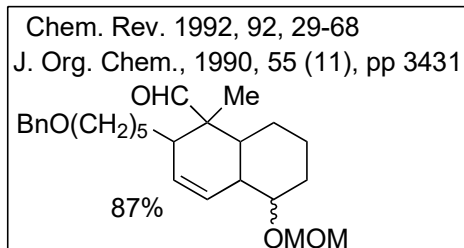
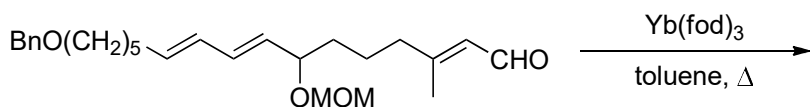




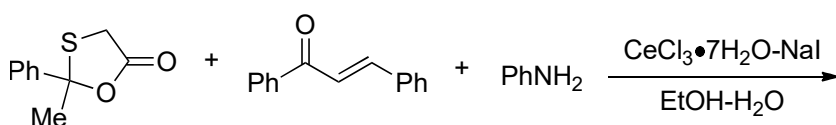
Chem. Commun., 2013, 49, 5589--5591



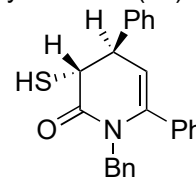
Chem. Rev. 1992, 92, 29-68
Tetrahedron Lett. (1984), p. 4059



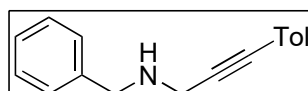
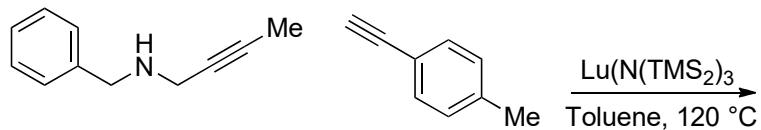
Chem. Rev. 1992, 92, 29-68



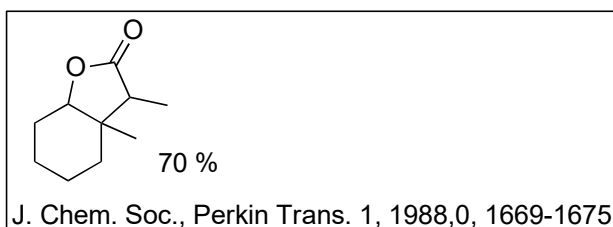
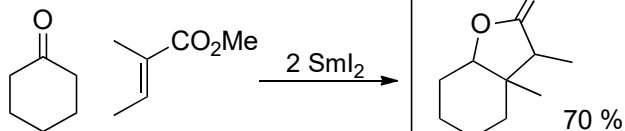
Synlett 2008(15): 2348-2354



89% 94:6 anti/syn



Angew. Chem. Int. Ed. 2016, 55, 11485 -11489



J. Chem. Soc., Perkin Trans. 1, 1988, 0, 1669-1675