

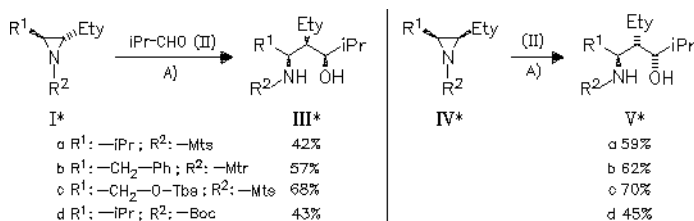
amino alcohols (acyclic compounds)

P 0130

45 - 079

Umpolung of Chiral 2-Ethynylaziridines: Indium(I)-Mediated Stereoselective Synthesis of Nonracemic 1,3-Amino Alcohols Bearing Three Chiral Centers, Catalyzed by Palladium(0).

Reaction of N-protected 3-alkyl-2-ethynylaziridines with In-I in the presence of H₂O and Pd(PPh₃)₄ furnishes intermediary allenylindium reagents which add stereoselectively to aldehydes. — (OHNO, HIROAKI; HAMAGUCHI, HISAO; TANAKA, TETSUAKI; Org. Lett. 2 (2000) 14, 2161-2163; Grad. Sch. Pharm. Sci., Osaka Univ., Suita, Osaka 565, Japan; EN)

A): H₂O, InI, Pd(PPh₃)₄ (cat.), THF/HMPA