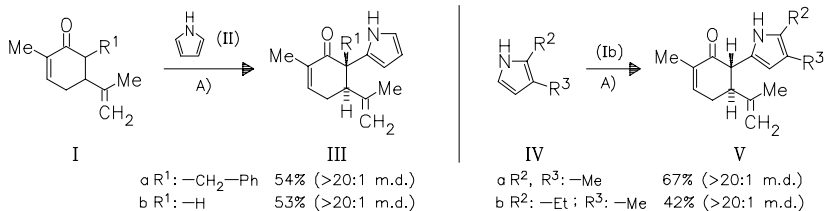


Pyrrole derivatives

R 0120

23- 108

Direct Coupling of Pyrroles with Carbonyl Compounds: Short Enantioselective Synthesis of (S)-Ketorolac (XII). — (BARAN*, P. S.; RICHTER, J. M.; LIN, D. W.; Angew. Chem., Int. Ed. 44 (2005) 4, 609-612; Dep. Chem., Scripps Res. Inst., San Diego, La Jolla, CA 92037, USA; Eng.) — Nuesgen



A): $\text{LiN}(\text{Tms})_2$, $\text{Cu}(\text{O}-\text{CO}-\text{CHEt}-\text{Bu})_2$, THF, $-78 \rightarrow +25^\circ\text{C}$

