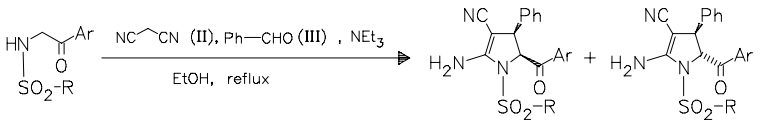
Pyrrole derivatives

R 0120

37- 106

Novel Three-Component Synthesis and Antiproliferative Properties of Diversely Functionalized Pyrrolines. — Several substituted 2-pyrrolines (IV) and (V) are prepared by a novel regio- but not stereoselective three-component reaction. The diastereoisomeric mixtures can be separated on the basis of their dissimilar solubilities. A number of the compounds shows antiproliferative activity in human cancer cell lines. — (MAGEDOV*, I. V.; LUCHETTI, G.; EVDOKIMOV, N. M.; MANPADI, M.; STEELANT, W. F. A.; VAN SLAMBROUCK, S.; TONGWA, P.; ANTIPIN, M. Y.; KORNIENKO, A.; Bioorg. Med. Chem. Lett. 18 (2008) 4, 1392-1396; Dep. Chem., N. Mex. Inst. Min. Technol., Socorro, NM 87801, USA; Eng.) — H. Haber



a R: —Me ; Ar: —Ph >90% (1:1.4)

b R: —Tol ; Ar:  >90% (1:1.6)

c R:  ; Ar: —Ph >90% (1:2)

d R:  ; Ar: —Ph >90% (1:1.2)