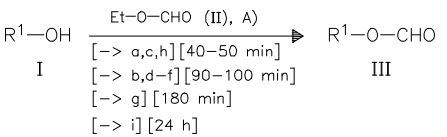
Transesterification
O 0315

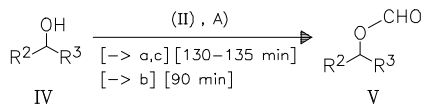
DOI: 10.1002/chin.201135056

35- 056

Preparation of Alkyl Formates from Corresponding Alcohols Using Ethyl Formate Catalyzed by Poly(4-vinylpyridinium tribromide) under Neutral and Solvent-Free Conditions. — The advantages of the procedure are avoidance of metallic and acidic catalysts, organic solvents, corrosive and toxic reagents and operational simplicity. — (GHORBANI-CHOGHAMARANI*, A.; NOROUZI, M.; Bull. Korean Chem. Soc. 32 (2011) 4, 1399-1402, http://dx.doi.org/10.5012/bkcs.2011.32.4.1399 ; Dep. Chem., Fac. Sci., Ilam Univ., Ilam, Iran; Eng.) — C. Cyrus



a R^1: $-CH_2-C_6H_4-Br$ 96%
b R^1: $-CH_2-C_6H_4-NO_2$ 66%
c R^1: $-CH_2-C_6H_4-tBu$ 90%
d R^1: $-CH_2-C_6H_4-Cl$ 70%
e R^1: $-CH_2-C_6H_2F_3$ 58%
f R^1: $-CH(Ph)-CH=CH_2$ 69%
g R^1: $-(CH_2)_6-Me$ 53%
h R^1: $-CH(Ph)-Me$ 83%
i R^1: —Tol 0%



a R^2: —Ph ; R^3: —Et 82%
b R^2: —Ph ; R^3: —CO—Ph 64%
c R^2–R^3: $-(CH_2)_{12}-$ 95%