catalysis, phase-transfer catalysis

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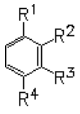
12 - 040

Alkylations of Benzene, Alkylbenzenes, and Halobenzenes Catalyzed by Protonated Mordenite Pretreated with Chlorofluorocarbons. — A synthetic protonated mordenite is used as catalyst for the alkylation of benzene derivatives (I). It is shown, that pretreatment of the catalyst with CClF3 raises the conversion of the alkylation. — (KODAMA, H.; OKAZAKI, S.; J. Catal. 132 (1991) 2, 512-523; Dep. Ind. Chem., Fac. Eng., Ibaraki Univ., Hitachi 316, Japan; EN)



I

a R^1, R^2, R^3, R^4: —H
b R^1: —Me; R^2, R^3, R^4: —H
c R^1, R^2: —Me; R^3, R^4: —H
d R^1, R^3: —Me; R^2, R^4: —H
e R^1, R^4: —Me; R^2, R^3: —H
f R^1, R^2, R^4: —Me; R^3: —H