Halogen compounds
Q 0090

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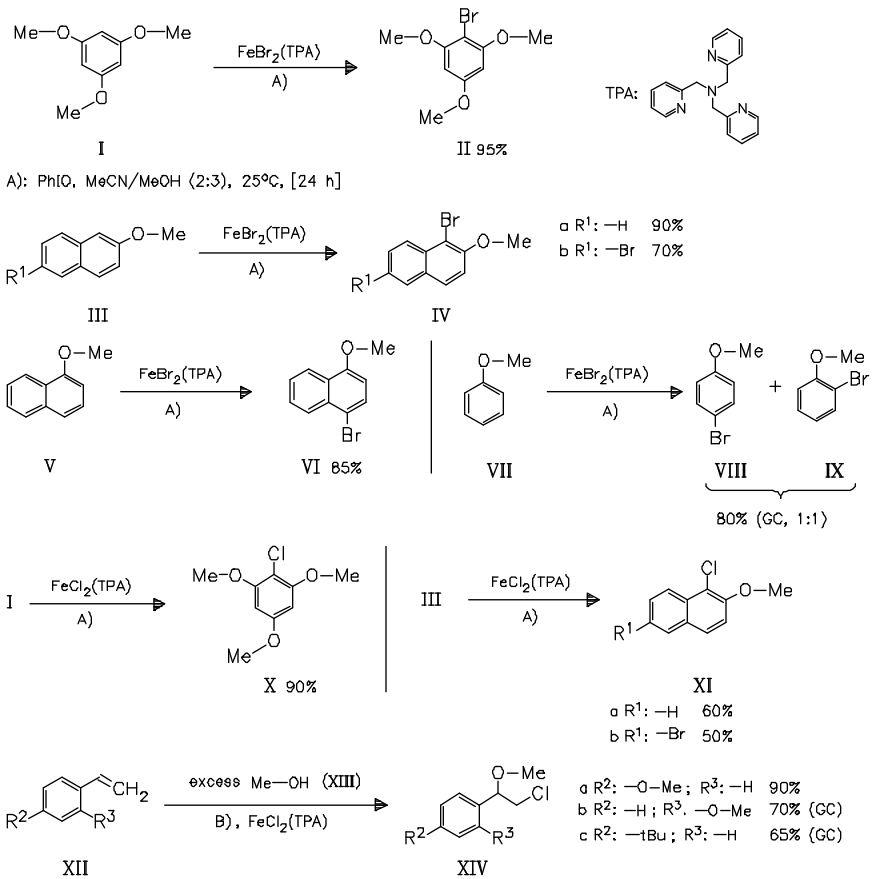
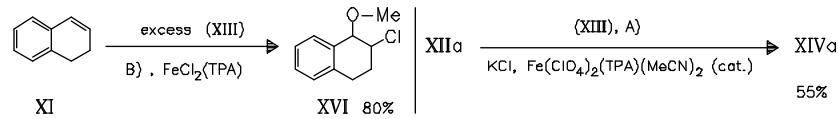
08- 095

Catalytic Electrophilic Halogenations and Haloalkoxylations by Non-Heme Iron Halides. — New methods for electrophilic halogenations of arenes and haloalkoxylation of aryl olefins are discovered. The true halogenating species are iron hypohalides generated from the reaction of PhIO and non-heme iron halide complexes. These complexes can also be used in catalytic amounts when KCl or KBr is used as an internal halide but these results in lower yields [e.g. reaction of (XIIa)]. — (RANA, S.; BAG, S.; PATRA, T.; MAITI*, D.; Adv. Synth. Catal. 356 (2014) 11-12, 2453-2458, http://dx.doi.org/10.1002/adsc.201400316 ; Dep. Chem., Indian Inst. Technol. Bombay, Mumbai 400 076, India; Eng.) — L. Grundl

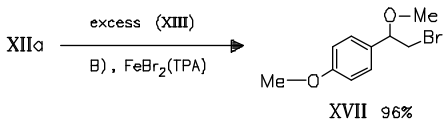




XI

XVI 80%

B): PhIO, 25°C, [24 h]



XVII 96%