

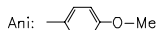
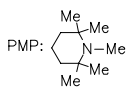
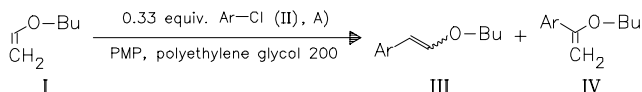
Araliphatic ethers

Q 0290

40- 071

Selective Terminal Heck Arylation of Vinyl Ethers with Aryl Chlorides: A Combined Experimental—Computational Approach Including Synthesis of Betaxolol.

— An improved method for the β -selective arylation of vinyl ethers allows a convenient access to the β -blocker Betaxolol (XIV). In contrast, starting from enamides only moderate yield and selectivity are observed. — (DATTA, G. K.; VON SCHENCK, H.; HALLBERG, A.; LARHED*, M.; J. Org. Chem. 71 (2006) 10, 3896-3903; Dep. Org. Pharm. Chem., Uppsala Univ., S-751 23 Uppsala, Swed.; Eng.) — Jannicke



a Ar: -Ph	59% (m.d.)	7% (GC)
b Ar:	54% (E:Z=57:43)	18% (GC)
c Ar:	65% (E:Z=60:40)	2% (GC)
d Ar:	62% (E:Z=67:33)	2% (GC)
e Ar: -Ani	46% (m.d.)	22% (GC)
f Ar:	60% (m.d.)	8% (GC)

A): microwaves, HBC/tBu₃P·HBf₄ (1:2) (cat.), 160°C, [1 h]

