1997 ketones

ketones (benzene compounds)

Q 0350 22 - 091 Improved Synthesis of the Enantiomers of Propafenone Using Chiral Building Blocks. — Key compound in the synthesis of the title products (X) is the acetal (III) which can be alkylated under mild conditions at the phenolic hydroxy group. — (ECKER, G.; NOE, C. R.; FLEISCHHACKER, W.; Monatsh. Chem. 128 (1997) 1, 53-59; Inst. Pharm. Chem., Univ. Wien, A-1090 Wien, Austria; EN)

$$(+)-VII* \xrightarrow{Pr-NH_2 \langle IX \rangle} Pr$$

$$reflux$$

$$Ph$$

$$(+)-X*$$

$$75\% \langle 95\% \text{ e.e.} \rangle$$

III
$$\xrightarrow{\text{Tos}}$$
 $\xrightarrow{\text{NaH, DMF, 50°C}}$ $\xrightarrow{\text{NaH, DMF, 50°C}}$ $\xrightarrow{\text{Ph}}$ $\xrightarrow{\text{Ph}}$ $\xrightarrow{\text{NII}^+}$ $\xrightarrow{\text{Ph}}$ $\xrightarrow{\text{Ph}}$

1