1997 stereochemistry

stereochemistry (general, optical resolution)

O 0030 43 - 041 Enantioselective Allylation of N-(Trimethylsilyl)benzaldehyde Imine Using Polymer-Supported Chiral Allylboron Reagents. — Both polymers (I) and (II) are found to be excellent chiral ligands in the title reactions. Compared to the monomeric camphor analogues, yields and e.e. values can be improved. — (EL-SHEHAWY, A. A.; ABDELAAL, M. Y.; WATANABE, K.; ITO, K.; ITSUNO, S.; Tetrahedron: Asymmetry 8 (1997) 11, 1731-1734; Dep. Mater. Sci., Toyohashi Univ. Technol., Toyohashi, Aichi 441, Japan; EN)

$$\begin{array}{c} \text{Ph} & \text{Tms} \\ \text{Ph} & \text{Et}_20\text{, } -78^{\circ}\text{C} \\ \text{Ill} & \text{Inverse addition]} \end{array} \begin{array}{c} \text{d} & \text{R: } \text{CH}_2 & 99\% \text{ (89\% e.e.)} \\ \text{NH}_2 \\ \text{Ph} & \text{Re} \\ \text{b} & \text{R: } \text{CH}_2 & 93\% \text{ (90\% e.e.)} \\ \text{b} & \text{R: } \text{CH}_2 & 93\% \text{ (90\% e.e.)} \\ \text{Me} & \text{91\% (84\% e.e.)} \\ \text{S} & \text{V} & \text{C} & \text{R: } \text{Me} \\ \text{Me} & \text{91\% (84\% e.e.)} \\ \end{array}$$

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