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## **COVER PICTURE**

The cover picture shows the X-ray crystal structures of the compounds obtained by the alkylation of a conjugated porphyrinogen precursor at its macrocyclic nitrogen atoms with 2-(methylenenaphthyl) groups. The presence of the *N*-alkyl groups introduces intermolecular  $\pi-\pi$  stacking interactions which culminate in a 1-dimensional stacked array for the fully *N*-substituted derivative. The *N*-alkylation enhances the ability of the compounds to form anion radical and cation radical species and permits "tuning" of the electrochemical properties of the core porphyrinogen. Details are discussed in the article by J. P. Hill et al. on p. 2893 ff.



MICROREVIEW Contents

2867 G. Bartoli, M. Bartolacci, A. Giuliani, E. Marcantoni,\* M. Massaccesi

Diastereoselective Lewis Acid Mediated Reductions of  $\alpha$ -Alkyl- $\beta$ -Functionalized Carbonyl Compounds

**Keywords:** Carbonyl compounds / Chelates / Diastereoselectivity / Lewis acids / Reduction

$$R^{1} \xrightarrow{R^{2}} Z \xrightarrow{\text{Reducing agent Lewis acid}} R^{1} \xrightarrow{R^{2}} Z \xrightarrow{\text{Reducing agent Lewis acid}} R^{1} \xrightarrow{\text{Ph}_{2}} Z \xrightarrow{\text{Ph}_{2}\text{PO}; \text{PhSO}_{2};} R^{2} \xrightarrow{\text{COR}^{3}; \text{COOR}^{3}; \text{CN}} CON(R^{3})_{2}; \text{CH}_{2}\text{NHPG}} R^{1} \xrightarrow{\text{Ph}_{2}} Z$$