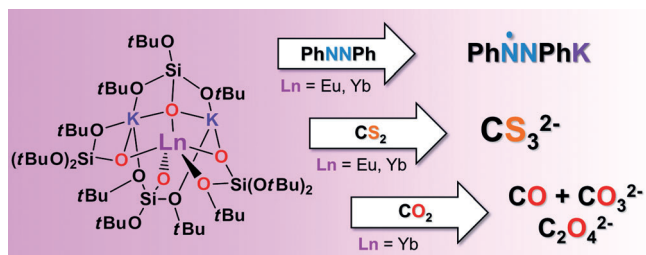


Small-Molecule Activation

J. Andrez, J. Pécaut, P.-A. Bayle,
M. Mazzanti* — 10448 – 10452



Tuning Lanthanide Reactivity Towards
Small Molecules with Electron-Rich
Siloxide Ligands



Yb and Eu can do it! The sterically demanding and electron-rich coordination environment of Eu^{II} and Yb^{II} in homoleptic siloxide complexes leads to

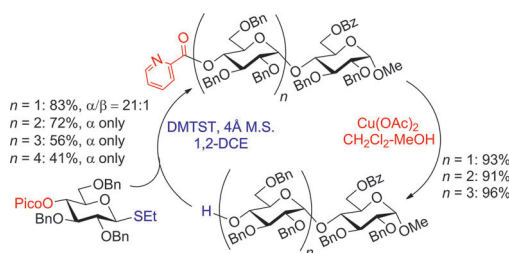
the reduction of azobenzene, carbon disulfide, and carbon dioxide, and the ready release of the reduction products.

Glycosylation

J. P. Yasomanee,
A. V. Demchenko* — 10453 – 10456



Hydrogen Bond Mediated Aglycone
Delivery: Synthesis of Linear and
Branched α -Glucans



Special delivery: O-Picoloyl groups at remote positions can mediate the course of glycosylation reactions by providing high facial selectivity for the hydrogen bond mediated attack of the glycosyl acceptor. A new practical method for the

stereoselective synthesis of oligosaccharides containing multiple 1,2-*cis* glucose residues is presented. 1,2-DCE = 1,2-dichloroethane, DMTST = dimethyl(methylthio)sulfonium triflate, M.S. = molecular sieves.

DOI: 10.1002/anie.201483914

Flashback: 50 Years Ago ...

Hubert Schmidbaur et al. published three back-to-back Communications. The first two were on gallium chemistry, namely the reaction of organosilanes with gallium trihalides to form organogallium dihalides, and the use of gallium trichloride in the cleavage of siloxanes; and the third Communication was on alkali metal double silanolates $\text{M}^1\{\text{M}^2\text{[OSi(CH}_3)_3]_2\}$ ($\text{M}^1 = \text{Na or K}$, $\text{M}^2 = \text{Li or Na}$). Schmidbaur was previously Chairman of the Editorial Board of *Angewandte Chemie*, and published an Essay on coordination chemistry at carbon in the 125th Jubilee Issue (*Angew. Chem. Int. Ed.* **2013**, 52, 176); a Review on

argentophilic interactions is in press in this journal.

Rudolf Criegee and Fritz Zanker reported on the synthesis of dimethyl “Dewar tetramethylphthalate”, which is a crystalline derivative of Dewar benzene that can be prepared in decagram quantities and is more stable than related unsubstituted species. Criegee was an influential figure in German organic chemistry and both the Criegee intermediate and the Criegee rearrangement bear his name.

Herbert Roesky et al. published a Communication on the preparation of difluorodiazine (N_2F_2) by the treatment of sodium azide with elemental fluorine. The reaction proceeds through the dimerization of a biradical intermediate. Roesky is one of the authors who have published most manuscripts in *Angewandte Chemie* since 1946 (for a more complete list, see *Angew. Chem. Int. Ed.* **2013**, 52, 2714). His most recent contribution is a Communication on cumulene structures.

Read more in Issue 10/1964.