A new, modular approach towards 2-(1-hydroxyalkyl)oxazolines, effective bidentate chiral ligands

Michael Bauer, Uli Kazmaier*


Addition of β-hydroxyisonitriles towards aldehydes gives rise to hydroxyalkyl oxazolines, an interesting class of bidentate chiral ligands. This concept allows a very easy ligand tuning and optimization of the ligand structure as illustrated in a first example.