Enantiospecific Hydroxylation of Alkanes Catalyzed by Transitional Metal Complexes of Chiral TPA





- To Convert saturated C-H bonds directly into chiral alcohols
- Made chiral ligands and used their Fe-(II) complexes as catalysts
- Systematically rigidified the chiral ligand to improve enantio- and regio- selectivity

Br

- Put Br on ligands to increase reactivity according DFT calculation
- Catalysis works
- Enantioselectivity to be investigated

