

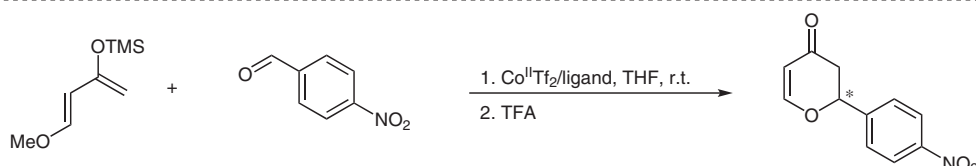
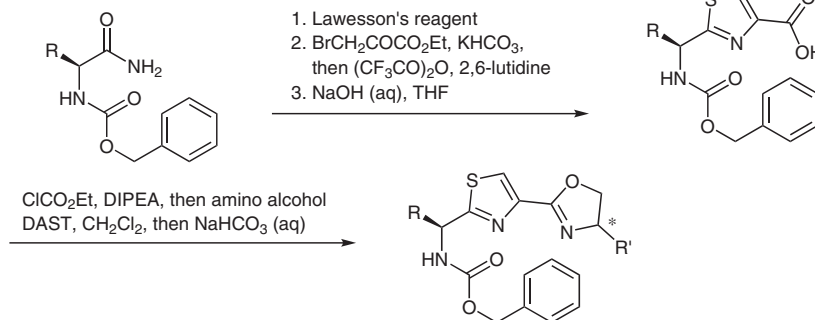
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Azotides as Modular Peptide-Based Ligands for Asymmetric Lewis Acid Catalysis

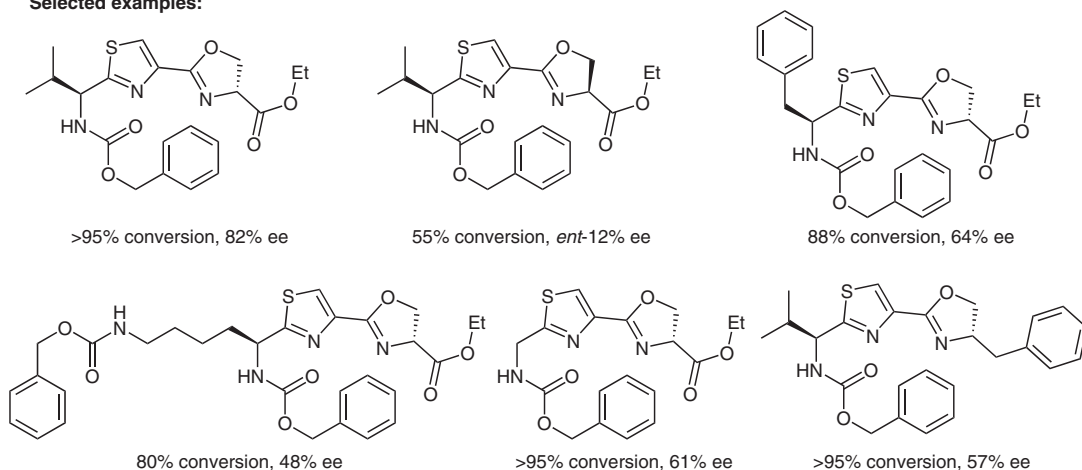
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Azotide Ligands for Hetero-Diels–Alder Reactions

Synthesis of the azotide ligands:



Selected examples:



Significance: Azotides, which are abundantly found as scaffolds in natural products, are known to coordinate metal ions. The author report new azotide ligands for enantioselective Lewis acid catalysis.

Comment: The ligands were readily prepared from the chiral pool of amino acids and demonstrated enantioselectivity when used as ligands in a cobalt(II)-catalyzed hetero-Diels–Alder reaction.

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