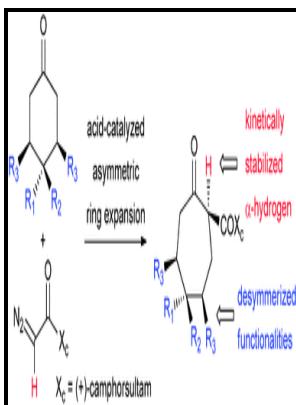


Stereoselective synthesis of carbo- and heterocycles through desymmetrization reactions.

- - Cyclopentene synthesis



Description: -

- Stereoselective synthesis of carbo- and heterocycles through desymmetrization reactions.
- Stereoselective synthesis of carbo- and heterocycles through desymmetrization reactions.

Notes: Thesis (Ph.D.) -- University of Toronto, 2003.

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Catalytic Enantioselective Desymmetrization Reactions to All

Furthermore, enantiomeric purity can be achieved by hydrogenation of the diastereoselective product. As a further extension of this process, we explored the use of substrates with heteroatoms in the tether for the preparation of enantioenriched, saturated heterocycles.

BJOC

Organic Letters 2021, 23 3 , 920-924. After separation of the diastereoisomers, the major product, cis isomer 7A, was quantitatively isomerized to the minor component, trans-amino ester 7D.

Diels

Thesis Title: Studies on the Stereoselective Barbier-Type Addition Reactions for the Construction of Unnatural Amino Acid Derivatives Having Contiguous Stereocenters 2. Diastereodivergent Synthesis of α -Chiral Tertiary Azides through Catalytic Asymmetric Michael Addition. Catalyst-Controlled Product Selectivity for Cycloaddition of Bis indol-3-yl-allenes to Fused Spiroindolines and Mechanistic Studies.

Synthesis of Oxygenated Heterocyclic Compounds via Gold

Beletskaya, Catalytic hydrofunctionalization of alkynes through P-H bond addition: the unique role of orientation and properties of the phosphorus group in the insertion step, Chem. Abstract A practical one-pot synthetic strategy for the efficient synthesis of a range of structurally interesting and bioactive quinoline-based tetracycles has been developed. Construction of Multiple-Substituted Chiral Cyclohexanes through Hydrogenative Desymmetrization of 2,2,5-Trisubstituted 1,3-Cyclohexanediolones.

1,3

In the first part of this chapter the development of a domino process using both rhodium and palladium catalysis is described.

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