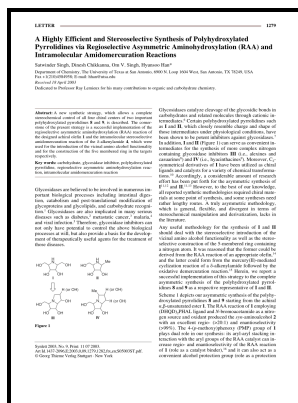


Stereoselective synthesis of carbo- and heterocycles through desymmetrization reactions.

- - Diels



Description: -

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

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Tags: #Stereoselective #synthesis #of #pentasubstituted #1,3

Ni

Synthesis of amino polyols and amino sugars Petasis and coworkers reported the usage of unprotected carbohydrates as the carbonyl component in PBM reactions.

Catalytic Enantioselective Desymmetrization Reactions to All

Glycans have diverse physiological functions, ranging from energy storage and structural integrity to cell signalling and the regulation of intracellular processes. The use of pseudoephedrine as a practical chiral auxiliary for asym.

Enantioselective Synthesis of Carbo

While phenols are unreactive under our conditions, primary, secondary, and tertiary alkyl-substituted alcohols are all reactive in the copper-catalyzed cyclization. © 2007 · Doemling · Copper-assisted synthesis of five-membered O- heterocycles.

Stereoselective and Regioselective Synthesis of Heterocycles via Copper

Bonnesen, Radu Custelcean, Benjamin P. Desymmetrization Process by Mg II -Catalyzed Intramolecular Vinylogous Michael Reaction. In the first part of this chapter the development of a domino process using both rhodium and palladium catalysis is described.

Synthesis of rare sugar isomers through site

The catalytic system also converts methyl 2-isocyanobenzoate and amines into quinazolin-4-ones in excellent yields.

Rhodium and Palladium Catalysis in the Synthesis of Carbo

Journal of the American Chemical Society 2020, 142 1 , 214-221. Reaction rates do vary on a case-by-case basis.

Session: Heterocycles and Aromatics, Asymmetric Reactions and Syntheses and Total Synthesis of Complex Molecules

Ln II complexes are good reducing agents, which can be used in a wide variety of synthetically important reactions; when chiral ligands are used, many of these reactions are highly stereoselective. Reduction of the alkyl bromide to a terminal methyl group was observed as the major side reaction.

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