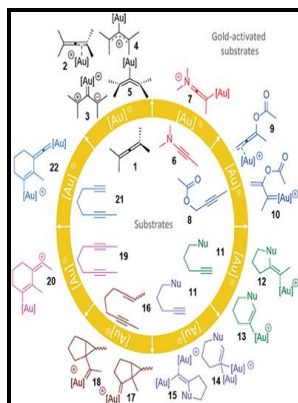


Stereoselective synthesis of carbo- and heterocycles through desymmetrization reactions.

- - Catalytic Enantioselective Desymmetrization Reactions to All



Description: -

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Catalytic Enantioselective Desymmetrization Reactions to All

Hallside, Martin Hutchings, Jonathan W.

Enantioselective Synthesis of Carbo

In particular, the construction of C—C bonds between sp³ centers represents a strategically important approach for the introduction of stereochemical information. Wolfe and Jie Jack Li in *Palladium in Heterocyclic Chemistry*, 2nd ed; Li, J. The rhodium-catalyzed reaction of aryl boronic acids with internal alkynes and acrylates in water gives the domino coupling products.

Enantioselective Synthesis of Carbo

The use of alkylammonium salts and alcoholic solvents were essential to promote halide dissociation from the arylpalladium intermediate.

Rhodium and Palladium Catalysis in the Synthesis of Carbo

Each section pretends to give an overview of the potential of each particular strategy and its usefulness to prepare synthetically relevant oxygenated rings. Jamison, *Catalytic reductive carbon-carbon bond-forming reactions of alkynes*, *Tetrahedron: Asymmetry*, 2003, 14, 3619—3625.

Enantioselective Synthesis of Carbo

The R,R -Ph-Box ligand favors formation of the S -carboamination product, while the R -carboetherification product is favored with the same ligand. Lotesta, Junjia Liu, Erik J.

Studies in symmetry

Organic synthesis provides opportunities to transform drug discovery.

Petasis reaction

Echavarren, Gold I -catalyzed activation of alkynes for the construction of molecular complexity, Chem. A peroxy-TEMPO adduct was isolated in this reaction. Journal of the American Chemical Society.

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