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Asymmetric Synthesis And Application Of Asymmetric Synthesis and Application of Chiral Spirosilabiindanes Xin Chang State Key Laboratory of Organometallic Chemistry, Center for Excellence in Molecular Synthesis, Shanghai Institute of Organic Chemistry, CAS, 345 Lingling Road, Shanghai, 200032 P. R. China

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Catalytic asymmetric aldehyde prenylation and application ... Nan Li, Bing-Tao Guan, Yttrium-Benzyl Complexes Bearing Chiral Iminophosphonamide Ligands: Synthesis and Application in Catalytic Asymmetric Amine-Silane Dehydrocoupling Reactions, *Advanced Synthesis & Catalysis*, 10.1002/adsc.201700327, 359, 20, (3526-3531), (2017).

Recent Progress in Asymmetric Synthesis and Application of

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Enantioselective synthesis, also called asymmetric synthesis, is a form of chemical synthesis. It is defined by IUPAC as: a chemical reaction in which one or more new elements of chirality are formed in a substrate molecule and which produces the stereoisomeric products in unequal amounts. Put more simply: it is the synthesis of a compound by a

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method that favors the formation of a specific enantiomer or diastereomer. Enantiomers are stereoisomers that have opposite configurations at every chira

Enantioselective synthesis - Wikipedia

Another synthetic application of EDDS lyase was demonstrated by the biocatalytic asymmetric synthesis of various N-arylated L-aspartic acids and the chemoenzymatic synthesis of challenging 2-aryl-5-carboxylpyrazolidin-3-ones (Figure 5). Especially, pyrazolidinones are widely found as core structures in pharmaceutically active molecules including lipoxigenase inhibitors (Figure 4) and anti-Alzheimer agents. EDDS lyase accepted a broad range of arylamines and ...

Recent Applications of Carbon-Nitrogen Lyases in ...

Jian Huang, Mao Hong, Chuan-Chuan Wang, Søren Kramer, Guo-Qiang Lin, Xing-Wen Sun. Asymmetric Synthesis of Chiral Spiroketal Bisphosphine Ligands and Their Application in Enantioselective Olefin Hydrogenation. *The Journal of Organic Chemistry* 2018, 83 (20), 12838-12846. DOI: 10.1021/acs.joc.8b01693.

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Synthesis and application of pinene-pyridine derivatives ...

Preparation of Novel Chiral Non-Racemic Diselenides and Applications in Asymmetric Synthesis Liwei Zhao School of Chemistry, Cardiff University, Park Place, Cardiff, CF10 3AT, U.K., Fax: +44(0)2920876968

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Ana Maria Faísca Phillips, Applications of Carbohydrate-Based Organocatalysts in Enantioselective Synthesis, European Journal of Organic Chemistry, 10.1002/ejoc.201402689, 2014, 33, (7291-7303), (2014).

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