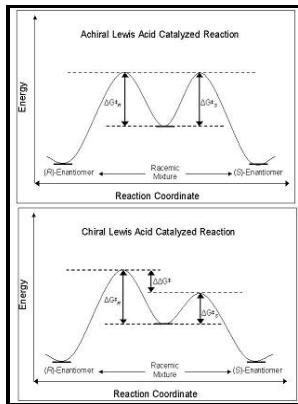


Preparation and use of chiral borane Lewis acids.

University of Salford - Chiral Lewis acid



Description: -

-Preparation and use of chiral borane Lewis acids.

- Research paper NE -- 215.

Zhizn' zamechatel'nykh liudei (Molodaia gvardiia (Firm)) -- 1978,
vyp. 7

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D83054 Preparation and use of chiral borane Lewis acids.

Notes: PhD thesis, Chemistry and Applied Chemistry.

This edition was published in 1988



Filesize: 17.68 MB

Tags: #The #synthesis #of #chiral #N

New Directions for Frustrated Lewis Pair Chemistry

Most preferably, the concentration of borane-tetrahydrofuran complex per liter of tetrahydrofuran is at least 2.

An Axially Chiral, Electron-Deficient Borane: Synthesis, Coordination Chemistry, Lewis Acidity, and Reactivity, Chemistry

The catalyst 132d with non-coordinating counterion SbF₆⁻ is ca.

An Axially Chiral, Electron-Deficient Borane: Synthesis, Coordination Chemistry, Lewis Acidity, and Reactivity, Chemistry

It should be noted that BLA R - 72 is an excellent catalyst for less reactive dienophiles but also for less reactive dienes such as acyclic dienes and cyclohexadiene.

Chiral Borane

Because of the widespread utility of the 8-phenylmenthol auxiliary, alternative compounds that are more easily synthesized, such as trans-2-phenyl-1-cyclohexanol and trans-2- 1-phenyl-1-methylethyl cyclohexanol have been explored. The enantioselective reduction of prochiral ketones with borane-tetrahydrofuran complex in the presence of an oxazaborolidine chiral catalyst such as R-MeCBS a methyl-substituted chiral oxazaborolidine named after Corey, Bakshi, and Shibata is a very important tool for the synthesis of alcohols in high optical purity. Youji Huaxue 1994, 14, 581 In Japanese.

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