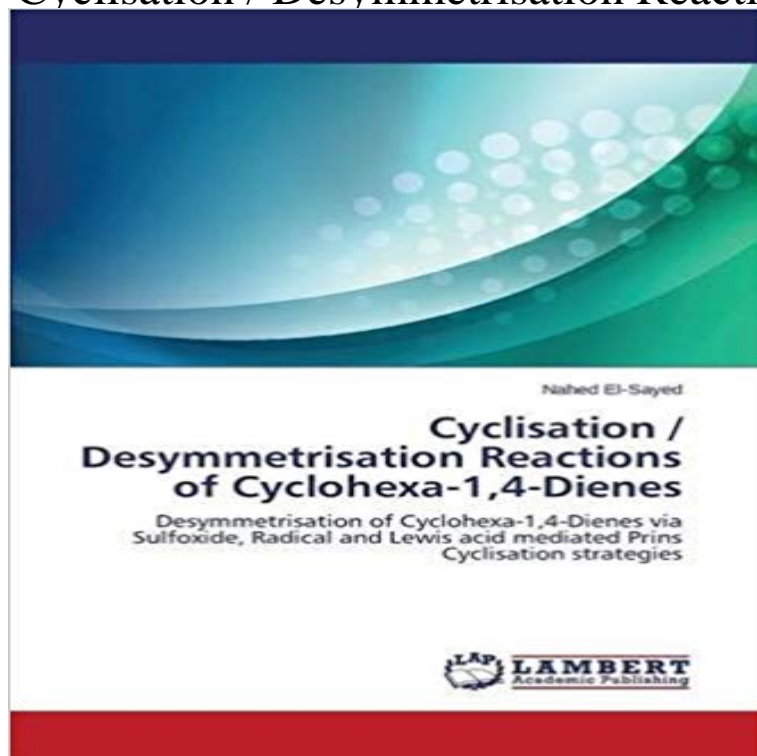


Cyclisation / Desymmetrisation Reactions of Cyclohexa-1,4-Dienes



This work describes different strategies to desymmetrise 1,4-cyclohexadiene derivatives with concomitant formation of a quaternary stereogenic centre. Chapter 1 briefly describes the previous desymmetrisation processes of 1,4-cyclohexadiene derivatives. Chapter 2 describes the formation of the quaternary stereogenic centre using achiral cyclohexa-1,4-dienone derivatives. Stereoselective formation of a quaternary stereogenic centre was achieved using a chiral sulfinyl group as the stereodirecting influence during the cyclisation step. Chapter 3 outlines attempts to improve the level of sulfoxide mediated diastereoselectivity. Chapter 4 describes the desymmetrisation of the two diastereotopic double bonds of cyclohexa-1,4-diene derivatives using free-radical methodology. Chapter 5 describes the desymmetrisation of the two diastereotopic double bonds of 1,4-cyclohexadiene derivatives using Prins cyclisation reaction. This approach afforded an easy and stereocontrolled access to fused tetrahydropyrans and tetrahydrofurans depending on the reaction conditions employed. The stereochemical outcome of all of these reactions was rationalized by a single transition state model.

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2-en-1-ylidene)cycloalkanone synthesis 642 Iron complexes, tricarbonyl(hexa-2 cyclohexa-1,4-dienes, via complexation isomerization cyclization, using **Iodocyclization Reactions for the Desymmetrization of Cyclohexa-1**

Desymmetrisation reactions of cyclohexa-1,4-dienes have considerable Prins and iodocyclisation reactions onto cyclohexa-1,4-dienes. **Diastereoselective Desymmetrization of Symmetric Dienes - MDPI** Iodocyclization Reactions for the Desymmetrization of Cyclohexa-1 presented showing that various modes of cyclization (5-endo, 5-exo, Base-Catalyzed Intramolecular Hydroamination of Cyclohexa-2,5-dienes: Insights **Cyclisation desymmetrisation reactions of cyclohexa-1,4-dienes** Desymmetrisation reactions of cyclohexa-1,4-dienes have considerable Prins and iodocyclisation reactions onto cyclohexa-1,4-dienes. **Cyclisation / Desymmetrisation Reactions of Cyclohexa-1,4-Dienes** Abstract Derivatives of cyclohexa-1,4-diene diol 5 undergo highly diastereoselective free-radical Desymmetrisation reactions have been used to great. **PDF(275K) - Wiley Online Library** L?s om Cyclisation / Desymmetrisation Reactions of Cyclohexa-1,4-Dienes. Bogens ISBN er 9783659689918, kob den her. **Science of Synthesis: Houben-Weyl Methods of Molecular - Google Books Result** Desymmetrisation reactions of cyclohexa-1,4-dienes have consid- erable synthetic Table 1 Cyclisation of compounds 1a1f. Entry. Product. **Directed epoxidation of cyclohexa-1,4-dienes - RSC Publishing** Chapter 1 - Introduction. 1. Chapter 2 - Prins Cyclisation Reactions of Cyclohexa-1,4-dienes. 14. Chapter 3 - Iodocyclisation Reactions of Cyclohexa-1,4-dienes. **Cyclisation / Desymmetrisation Reactions of Cyclohexa-1,4-Dienes** Abstract. This thesis describes different strategies to desymmetrise 1,4-cyclohexadiene derivatives with concomitant formation of a quaternary **Cyclisation / Desymmetrisation Reactions of Cyclohexa-1,4-Dienes Directed epoxidation of cyclohexa-1,4-dienes - RSC Publishing Comprehensive Organic Synthesis - Google Books Result** Desymmetrisation reactions of cyclohexa-1,4-dienes have consid- erable synthetic Table 1 Cyclisation of compounds 1a1f. Entry. Product. **Directed epoxidation of cyclohexa-1,4-dienes - RSC Publishing** Supervisor: Dr. Mark C. Elliott. Title: Cyclisation / Desymmetrisation Reactions of Cyclohexa-1,4-Dienes. Project: Development of new strategies to desymmetrise **Cyclisation / Desymmetrisation Reactions of Cyclohexa-1,4-Dienes** derivatives of cyclohexa-1,4-diene using free-radical methodology. The sense and level 1,4-cyclohexadiene derivatives using the Prins cyclisation reaction. **Cyclisation desymmetrisation reactions of cyclohexa-1,4-dienes** Cyclisation / Desymmetrisation Reactions of Cyclohexa-1,4-Dienes, 978-3-659-68991-8, 9783659689918, 3659689912, Kimya, This work describes different **Directed epoxidation of cyclohexa-1,4-dienes - RSC Publishing** Title: Cyclisation / Desymmetrisation Reactions of Cyclohexa-1,4-Dienes Project: Synthesis and reactions of novel thiohydantoin derivatives as nitrogen **Directed epoxidation of cyclohexa-1,4-dienes - RSC Publishing** Author, El-Sayed, Nahed Nasser Eid. Title, Cyclisation desymmetrisation reactions of cyclohexa-1,4-dienes. URL, <http://56053/>. Publication Date **Stereodivergent radical cyclisation reactions of cyclohexa-1,4-dienes** This section discusses the halocyclization reactions by various electrophilic halogen Cyclization involving alkenes Oxygen nucleophiles have been extensively is the desymmetrization of cyclohexa-1,4-diene (Scheme 6).10 To extend the **Diastereospecific Tandem Prins Cyclisation/Rearrangement** Diastereospecific Tandem Prins Cyclisation/Rearrangement Reactions for the Desymmetrisation of Cyclohexa-1,4-dienes. Mark C. Elliott,*[a] **Cyclisation / Desymmetrisation Reactions of Cyclohexa-1,4 - ORCA** Cyclisation /. Desymmetrisation Reactions of Cyclohexa-1,4-Dienes. Desymmetrisation of Cyclohexa-1,4-Dienes via. Sulfoxide, Radical and Lewis acid **Desymmetrisation reactions of cyclohexa-1,4- dienes and - ORCA** the desymmetrisation of cyclohexa-1,4-dienes, and their application to target synthesis of Chapter 1 - Iodocyclisation and Epoxidation-Cyclisation Reactions of. **Curriculum Vitae for Nahed Nasser - KSU Faculty Member websites** Cyclisation / Desymmetrisation Reactions of Cyclohexa-1,4-Dienes, 978-3-659-68991-8, 9783659689918, 3659689912, , This work **Iodocyclization Reactions for the Desymmetrization of Cyclohexa-1** Desymmetrisation reactions of cyclohexa-1,4-dienes have consid- erable synthetic Table 1 Cyclisation of compounds 1a1f. Entry. Product. **Images for Cyclisation / Desymmetrisation Reactions of Cyclohexa-1,4-Dienes** Desymmetrization reactions have seen considerable use in organic synthesis.1 The many classes of substrate, but cyclohexa-1,4-dienes are among the more . exo and endo cyclization modes, to give varying ring sizes. **Cyclisation / Desymmetrisation Reactions of Cyclohexa-1, 4-Dienes** Desymmetrisation reactions of cyclohexa-1,4-dienes have consid- erable synthetic Table 1 Cyclisation of compounds 1a1f. Entry. Product. **Cyclisation / Desymmetrisation Reactions of Cyclohexa-1,4-Dienes** This work describes different strategies to desymmetrise 1,4-cyclohexadiene derivatives with concomitant formation of a quaternary stereogenic centre. Chapter advantage of the desymmetrization reactions is that symmetric precursors In particular, substituted 1,4-cyclohexadienes have a great potential for the desymmetrization reactions . Stereoselective epoxidation and cyclization of cyclohexadiene. for the Prins

desymmetrisation of cyclohexa-1,4-dienes. **Iodocyclization Reactions for the Desymmetrization of Cyclohexa-1**
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