

1. Record Nr.	UNINA9910495219703321
Autore	Rutherford George
Titolo	Methods in epidemiology : population size estimation // edited by George Rutherford
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-75464-2
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (VII, 72 p. 3 illus., 1 illus. in color.)
Collana	Advances in Experimental Medicine and Biology ; ; 1333
Disciplina	614.4
Soggetti	Epidemiology Biomathematics Epidemiologia Biomatemàtica Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Review of size estimation methods -- Methods to estimate the average social network size -- Estimating the size of hidden groups -- Data smoothing, extrapolation, and triangulation.
Sommario/riassunto	This book describes the variety of direct and indirect population size estimation (PSE) methods available along with their strengths and weaknesses. Direct estimation methods, such as enumeration and mapping, involve contact with members of hard-to-reach groups. Indirect methods have practical appeal because they require no contact with members of hard-to-reach groups. One indirect method in particular, network scale-up (NSU), has several strengths over other PSE methods: It can be applied at a province/country level, it can estimate size of several hard-to-reach population in a single study, and it is implemented with members of the general population rather than members of hard-to-reach groups. The book discusses methods to collect, analyze, and adjust results and presents methods to triangulate and finalize PSEs.

2. Record Nr.	UNINA9910830617403321
Titolo	Quaternary stereocenters [[electronic resource]] : challenges and solutions for organic synthesis // edited by Jens Christoffers, Angelika Baro
Pubbl/distr/stampa	Weinheim, : Wiley-VCH Chichester, : John Wiley, c2005
ISBN	1-280-85406-5 9786610854066 3-527-60685-8 3-527-60697-1
Descrizione fisica	1 online resource (362 p.)
Altri autori (Persone)	ChristoffersJens BaroAngelika
Disciplina	547.1223
Soggetti	Stereochemistry Organic compounds - Synthesis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Quaternary Stereocenters; Contents; Foreword; Preface; List of Contributors; Symbols and Abbreviations; 1 Important Natural Products; 1.1 Introduction; 1.2 Alkylation of Tertiary Carbon Centers; 1.3 Cycloaddition to Alkenes; 1.3.1 Diels-Alder Reaction; 1.3.2 Other Types of Cycloaddition; 1.4 Rearrangement Reactions; 1.5 Carbometallation Reactions; 1.5.1 Addition of a Carbon Nucleophile to a ,-Disubstituted ,-Unsaturated Enone; 1.5.2 Asymmetric and Diastereomeric Addition of a Carbon Nucleophile to Unactivated Alkenes Catalyzed by Palladium [42]; 1.6 C-H Functionalization Reactions 1.7 Asymmetric Modification of Enantiotopic/Diastereotopic Substituents of Quaternary Carbon Centers 1.8 Summary; 2 Important Pharmaceuticals and Intermediates; 2.1 The Chirality of Drugs and Agrochemicals; 2.2 Steroids; 2.3 Pharmaceuticals and Agrochemicals Based on -Dialkylated Amino Acids; 2.4 Azole Antimycotics; 2.5 Alkaloids; 2.6 HIV Inhibitors; 2.7 -Lactam Antibiotics; 2.8 The

Tetracyclines; 2.9 Summary and Outlook; 3 Aldol Reactions; 3.1 Introduction; 3.2 Metal Enolates; 3.2.1 Lithium Enolates; 3.2.2 Titanium and Zirconium Enolates; 3.2.3 Boron Enolates; 3.3 Catalytic Aldol Additions
3.3.1 Fluoride-ion-mediated Aldol Addition
3.3.2 Lewis-acid-mediated Mukaiyama-type Aldol Reactions; 3.3.3 Direct Aldol Additions; 3.3.4 Organocatalysis; 3.3.5 Enzyme and Antibody Catalysis; 3.4 Conclusions; 3.5 Note Added in Proof; 4 Michael Reactions and Conjugate Additions; 4.1 Introduction; 4.2 Chiral Bronstedt Bases; 4.2.1 Cinchona Alkaloids; 4.2.2 Polymer-bound Alkaloids; 4.2.3 Organocatalysis; 4.2.4 Miscellaneous Examples; 4.3 Chiral Metal Complexes; 4.3.1 Cobalt and Copper Catalysis; 4.3.2 Rhodium Catalysis; 4.3.3 Heterobimetallic Catalysis; 4.3.4 Miscellaneous Examples
4.4 Chiral Auxiliaries
4.4.1 -Phenethylamine; 4.4.2 L-Valine Ester; 4.4.3 L-Valine Diethylamide; 4.4.4 Miscellaneous Examples; 5 Rearrangement Reactions; 5.1 Introduction; 5.2 Applications; 5.2.1 The Claisen Rearrangement; 5.2.2 The Overman Rearrangement; 5.2.3 The Cope Rearrangement; 5.2.4 The Wittig Rearrangement; 5.2.5 Semipinacol Rearrangements; 5.2.6 Miscellaneous; 5.3 Summary; 6 Cycloaddition Reactions; 6.1 Introduction; 6.2 [2+1] Cycloaddition Reactions; 6.3 [2+2] Cycloaddition Reactions; 6.4 1,3-Dipolar Cycloaddition Reactions; 6.4.1 Nitron Cycloadditions
6.4.2 Other 1,3-Dipolar Cycloadditions
6.5 Diels-Alder Reactions; 6.6 Hetero-Diels-Alder Reactions; 6.6.1 The Carbonyl Group as Dienophile; 6.6.2 ,-Unsaturated Carbonyl Derivatives as Heterodienes; 6.6.3 Imine Derivatives as Heterodienophiles; 6.7 Consecutive Cycloaddition Reactions; 7 Asymmetric Cross-coupling and Mizoroki-Heck Reactions; 7.1 The Asymmetric Heck Reaction; 7.1.1 Introduction; 7.1.2 Mizoroki-Heck Reaction Mechanism; 7.1.3 Asymmetric Formation of Quaternary Carbon Centers; 7.2 Metal-catalyzed Cross-coupling Reactions; 7.2.1 Palladium-catalyzed -Arylation
7.2.2 Palladium-catalyzed -Vinylation

Sommario/riassunto

Filling the gap in the literature, this book presents everything there is to know about this topic. By comprehensively covering the quaternary stereocenters found in a range of important and useful molecules in pharmaceutical and medicinal applications, as well as in thousands of natural products, the book provides the know-how chemists need to synthesize challenging molecules with numerous applications. A must for organic chemists in academia, the pharmaceutical industry and medicine. From the Contents: Important Natural Products
Important Pharmaceuticals and Intermediates
